Emmanuelle Vulliet

List of Publications by Year in Descending Order

86 papers	2,435 citations	25 h-index	47 g-index
90 ext. papers	2,806 ext. citations	6.2 avg, IF	5.36 L-index

#	Paper	IF	Citations
86	Ultrasound-assisted sample preparation for simultaneous extraction of anionic, cationic and non-ionic surfactants in sediment.. *Talanta*, **2022**, 241, 123220	6.2	1
85	Distribution of pesticides and some of their transformation products in a small lentic waterbody: Fish, water, and sediment contamination in an agricultural watershed. *Environmental Pollution*, **2022**, 292, 118403	9.3	2
84	Improvement of the QuEChERS extraction step by matrix-dispersion effect and application on beta-lactams analysis in wastewater sludge by LC-MS/MS. *Talanta*, **2022**, 237, 122923	6.2	0
83	Advantages of MS/MS/MS (MRM) vs classic MRM quantification for complex environmental matrices: Analysis of beta-lactams in WWTP sludge.. *Analytica Chimica Acta*, **2022**, 1205, 339773	6.6	
82	An optimized LC-HRMS untargeted metabolomics workflow for multi-matrices investigations in the three-spined stickleback. *PLoS ONE*, **2021**, 16, e0260354	3.7	
81	Occurrence and removal of emerging pollutants in urban sewage treatment plants using LC-QToF-MS suspect screening and quantification. *Science of the Total Environment*, **2021**, 774, 145779	10.2	10
80	Novel PDMS based semi-interpenetrating networks (IPNs) for the extraction of phenolic compounds. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104656	6.8	2
79	Fluorescence excitation/emission matrices as a tool to monitor the removal of organic micropollutants from wastewater effluents by adsorption onto activated carbon. *Water Research*, **2021**, 190, 116749	12.5	10
78	Adsorption of Pharmaceuticals onto Smectite Clay Minerals: A Combined Experimental and Theoretical Study. *Minerals (Basel, Switzerland)*, **2021**, 11, 62	2.4	3
77	Ecotoxicological risk assessment of contaminants of emerging concern identified by "suspect screening" from urban wastewater treatment plant effluents at a territorial scale. *Science of the Total Environment*, **2021**, 778, 146275	10.2	11
76	Aminoglycosides analysis optimization using ion pairing liquid chromatography coupled to tandem mass spectrometry and application on wastewater samples. *Journal of Chromatography A*, **2021**, 1651, 462133	4.5	4
75	A multi-family offline SPE LC-MS/MS analytical method for anionic, cationic and non-ionic surfactants quantification in surface water. *Talanta*, **2021**, 232, 122441	6.2	6
74	Quantification of the organophosphate flame retardant triphenylphosphate and its main metabolite in whole blood by liquid–liquid micro-extraction and liquid chromatography-tandem mass spectrometry. *Microchemical Journal*, **2021**, 168, 106374	4.8	1
73	Miniaturization of an extraction protocol for the monitoring of pesticides and polar transformation products in biotic matrices. *Chemosphere*, **2021**, 284, 131292	8.4	2
72	Characterization of the Toxicological Properties of DPhP, One of the Main Degradation Products of Aryl Phosphate Esters. *Environmental Health Perspectives*, **2020**, 128, 127006	8.4	5
71	Influence of dissolved organic matter on the removal of 12 organic micropollutants from wastewater effluent by powdered activated carbon adsorption. *Water Research*, **2020**, 172, 115487	12.5	54
70	Benefits of ozonation before activated carbon adsorption for the removal of organic micropollutants from wastewater effluents. *Chemosphere*, **2020**, 245, 125530	8.4	21

69	Influence of the properties of 7 micro-grain activated carbons on organic micropollutants removal from wastewater effluent. *Chemosphere*, **2020**, 243, 125306	8.4	10
68	Development of a simple multiresidue extraction method for the quantification of a wide polarity range list of pesticides and transformation products in eggs by liquid chromatography and tandem mass spectrometry. *Journal of Chromatography A*, **2020**, 1628, 461447	4.5	3
67	Emerging polar pollutants in groundwater: Potential impact of urban stormwater infiltration practices. *Environmental Pollution*, **2020**, 266, 115387	9.3	5
66	Calibration and field application of an innovative passive sampler for monitoring groundwater quality. *Talanta*, **2020**, 208, 120307	6.2	4
65	Trace-level determination of two neonicotinoid insecticide residues in honey bee royal jelly using ultra-sound assisted salting-out liquid liquid extraction followed by ultra-high-performance liquid chromatography-tandem mass spectrometry. *Microchemical Journal*, **2019**, 151, 104249	4.8	11
64	Comparison in the response of three European Gammarid species exposed to the growth regulator insecticide fenoxycarb. *Environmental Science and Pollution Research*, **2019**, 26, 11496-11502	5.1	0
63	Contrasting photoreactivity of β-adrenoceptor agonists Salbutamol and Terbutaline in the presence of humic substances. *Chemosphere*, **2019**, 228, 9-16	8.4	1
62	Use of passive sampling and high resolution mass spectrometry using a suspect screening approach to characterise emerging pollutants in contaminated groundwater and runoff. *Science of the Total Environment*, **2019**, 672, 253-263	10.2	29
61	Enrofloxacin and copper plant uptake by Phragmites australis from a liquid digestate: Single versus combined application. *Science of the Total Environment*, **2019**, 664, 188-202	10.2	8
60	Organic micropollutants in a large wastewater treatment plant: What are the benefits of an advanced treatment by activated carbon adsorption in comparison to conventional treatment?. *Chemosphere*, **2019**, 218, 1050-1060	8.4	98
59	Assessing the fatty acid, essential oil composition, their radical scavenging and antibacterial activities of Raddi leaves and twigs. *Journal of Food Science and Technology*, **2018**, 55, 1582-1590	3.3	11
58	Non-targeted investigation of benthic invertebrates (Chironomus riparius) exposed to wastewater treatment plant effluents using nanoliquid chromatography coupled to high-resolution mass spectrometry. *Chemosphere*, **2018**, 196, 347-353	8.4	16
57	Determination of a new index of sexual maturity (ISM) in zebra mussel using flow cytometry: interest in ecotoxicology. *Environmental Science and Pollution Research*, **2018**, 25, 11252-11263	5.1	3
56	Two-year survey of specific hospital wastewater treatment and its impact on pharmaceutical discharges. *Environmental Science and Pollution Research*, **2018**, 25, 9207-9218	5.1	40
55	Fenoxycarb exposure disrupted the reproductive success of the amphipod Gammarus fossarum with limited effects on the lipid profile. *PLoS ONE*, **2018**, 13, e0196461	3.7	4
54	A rapid and easy method based on hydrophilic interaction chromatography coupled with tandem mass spectrometry (HILIC-MS/MS/MS) to quantify iodinated X-ray contrast in wastewaters. *Talanta*, **2018**, 190, 480-486	6.2	6
53	Exposure assessment of honeybees through study of hive matrices: analysis of selected pesticide residues in honeybees, beebread, and beeswax from French beehives by LC-MS/MS. *Environmental Science and Pollution Research*, **2018**, 25, 6145-6153	5.1	39
52	Development of a method for the simultaneous determination of multi-class pesticides in earthworms by liquid chromatography coupled to tandem electrospray mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 5009-5018	4.4	4

51	Chemometric and high-resolution mass spectrometry tools for the characterization and comparison of raw and treated wastewater samples of a pilot plant on the SIPIBEL site. *Environmental Science and Pollution Research*, **2018**, 25, 9230-9242	5.1	4
50	Occurrence of multi-class surfactants in urban wastewater: contribution of a healthcare facility to the pollution transported into the sewerage system. *Environmental Science and Pollution Research*, **2018**, 25, 9219-9229	5.1	14
49	Priority substances in accumulated sediments in a stormwater detention basin from an industrial area. *Environmental Pollution*, **2018**, 243, 1669-1678	9.3	13
48	Gammarus fossarum as a sensitive tool to reveal residual toxicity of treated wastewater effluents. *Science of the Total Environment*, **2017**, 584-585, 1012-1021	10.2	12
47	An innovative and integrative assay for toxicity testing using individual fish embryos. Application to oxazepam. *Chemosphere*, **2017**, 181, 468-477	8.4	7
46	Phenotypic defects in newborn Gammarus fossarum (Amphipoda) following embryonic exposure to fenoxycarb. *Ecotoxicology and Environmental Safety*, **2017**, 144, 193-199	7	6
45	Development and optimisation of home-made stir bar sorptive extraction for analysis of plastic additives: application in human urine. *Analytical Methods*, **2017**, 9, 3549-3560	3.2	3
44	Determination of carbamazepine and 12 degradation products in various compartments of an outdoor aquatic mesocosm by reliable analytical methods based on liquid chromatography-tandem mass spectrometry. *Environmental Science and Pollution Research*, **2017**, 24, 16893-16904	5.1	17
43	Evaluation of the influence of surfactants in the bioaccumulation kinetics of sulfamethoxazole and oxazepam in benthic invertebrates. *Science of the Total Environment*, **2017**, 592, 554-564	10.2	17
42	Mussel as a Tool to Define Continental Watershed Quality **2017**,		5
41	High-Resolution Mass Spectrometry as a Tool To Evaluate the Sample Preparation of Sludge. *Analytical Chemistry*, **2017**, 89, 9685-9694	7.8	7
40	Innovative Coupling of Ozone Oxidation and Biodegradation for Micropollutants Removal from Wastewater. *Ozone: Science and Engineering*, **2017**, 39, 296-309	2.4	7
39	Quantification of emerging micropollutants in an amphipod crustacean by nanoliquid chromatography coupled to mass spectrometry using multiple reaction monitoring cubed mode. *Journal of Chromatography A*, **2016**, 1456, 217-25	4.5	11
38	A posteriori assessment of ecotoxicological risks linked to building a hospital. *Chemosphere*, **2016**, 144, 440-5	8.4	15
37	Detection and quantification of boscalid and its metabolites in honeybees. *Chemosphere*, **2016**, 156, 245-251	8.4	13
36	Rapid analysis of diclofenac and some of its transformation products in the three-spined stickleback, Gasterosteus aculeatus, by liquid chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 4435-44	4.4	10
35	Development of a multi-residue analysis of diclofenac and some transformation products in bivalves using QuEChERS extraction and liquid chromatography-tandem mass spectrometry. Application to samples from mesocosm studies. *Talanta*, **2016**, 155, 1-7	6.2	23
34	Multiresidue fully automated online SPE-HPLC-MS/MS method for the quantification of endocrine-disrupting and pharmaceutical compounds at trace level in surface water. *International Journal of Environmental Analytical Chemistry*, **2015**, 95, 67-81	1.8	28

33	Trace-level determination of pyrethroid, neonicotinoid and carboxamide pesticides in beeswax using dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography-tandem mass spectrometry. *International Journal of Environmental Analytical Chemistry*, **2015**, 95, 240-257	1.8	19
32	Human exposure assessment to a large set of polymer additives through the analysis of urine by solid phase extraction followed by ultra high performance liquid chromatography coupled to tandem mass spectrometry. *Journal of Chromatography A*, **2015**, 1423, 111-23	4.5	7
31	Determination of steroid hormones in sediments based on quick, easy, cheap, effective, rugged, and safe (modified-QuEChERS) extraction followed by liquid chromatography-tandem mass spectrometry (LC-MS/MS). *Analytical Methods*, **2015**, 7, 9577-9586	3.2	5
30	Development of a method for the analysis of hormones and pharmaceuticals in earthworms by quick, easy, cheap, effective, rugged and safe (QuEChERS) extraction followed by liquid chromatography-tandem mass spectrometry (LC-MS/MS). *Analytical and Bioanalytical Chemistry*, **2015**, 407, 7995-8008	4.4	41
29	Determination of Tetracycline and Fluoroquinolone Antibiotics at Trace Levels in Sludge and Soil. *Applied and Environmental Soil Science*, **2015**, 2015, 1-10	3.8	15
28	Determination of endocrine disruptors and endogenic androgens and estrogens in rat serum by high-performance liquid chromatography-tandem mass spectrometry. *Steroids*, **2015**, 104, 252-62	2.8	11
27	Multi-residue analysis of emerging pollutants in sediment using QuEChERS-based extraction followed by LC-MS/MS analysis. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 1259-66	4.4	52
26	Multi-residue analysis of emerging pollutants in benthic invertebrates by modified micro-quick-easy-cheap-efficient-rugged-safe extraction and nanoliquid chromatography-nanospray-tandem mass spectrometry analysis. *Journal of Chromatography A*, **2014**, 1367, 16-32	4.5	50
25	Survey regarding the occurrence of selected organic micropollutants in the groundwaters of overseas departments. *Environmental Science and Pollution Research*, **2014**, 21, 7512-21	5.1	13
24	Fate of pharmaceutical compounds and steroid hormones in soil: study of transfer and degradation in soil columns. *Environmental Science and Pollution Research*, **2014**, 21, 10525-35	5.1	23
23	A national reconnaissance for selected organic micropollutants in sediments on French territory. *Environmental Science and Pollution Research*, **2014**, 21, 11370-9	5.1	15
22	Statistical evaluation of the influence of soil properties on recoveries and matrix effects during the analysis of pharmaceutical compounds and steroids by quick, easy, cheap, effective, rugged and safe extraction followed by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2013**, 1315, 53-60	4.5	31
21	Trace level determination of pyrethroid and neonicotinoid insecticides in beebread using acetonitrile-based extraction followed by analysis with ultra-high-performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2013**, 1316, 53-61	4.5	61
20	A potential biomarker of androgen exposure in European bullhead (Cottus sp.) kidney. *Fish Physiology and Biochemistry*, **2013**, 39, 573-80	2.7	4
19	Determination of testosterone and its photodegradation products in surface waters using solid-phase extraction followed by LC-MS/MS analysis. *Environmental Science and Pollution Research* , **2013**, 20, 1021-30	5.1	5
18	Determination of 136 pharmaceuticals and hormones in sewage sludge using quick, easy, cheap, effective, rugged and safe extraction followed by analysis with liquid chromatography-time-of-flight-mass spectrometry. *Journal of Chromatography A*, **2013**, 1290, 46-61	4.5	155
17	Development of a multi-residue method using acetonitrile-based extraction followed by liquid chromatography-tandem mass spectrometry for the analysis of steroids and veterinary and human drugs at trace levels in soil. *Journal of Chromatography A*, **2012**, 1245, 122-33	4.5	110
16	Retention of selected steroids on a silt-loam soil. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 2133-40	2.3	8

15	Utilisation of an enzyme-linked immunosorbent assay (ELISA) for determination of alkylphenols in various environmental matrices. Comparison with LC-MS/MS method. *Talanta*, **2011**, 85, 2492-7	6.2	3
14	Changes in phytochemical, antimicrobial and free radical scavenging activities of the Peruvian pepper tree (Schinus molle L.) as influenced by fruit maturation. *Industrial Crops and Products*, **2011**, 34, 1622-1628	5.9	27
13	Screening of pharmaceuticals and hormones at the regional scale, in surface and groundwaters intended to human consumption. *Environmental Pollution*, **2011**, 159, 2929-34	9.3	293
12	Occurrence of pharmaceuticals and hormones in drinking water treated from surface waters. *Environmental Chemistry Letters*, **2011**, 9, 103-114	13.3	175
11	Contribution of microextraction in packed sorbent for the analysis of cotinine in human urine by GC-MS. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 937-41	4.4	33
10	Light induced degradation of testosterone in waters. *Science of the Total Environment*, **2010**, 408, 3554-9	10.2	20
9	Behaviour of sulcotrione and mesotrione in two soils. *Pest Management Science*, **2008**, 64, 86-93	4.6	58
8	Multi-residue analysis of steroids at sub-ng/L levels in surface and ground-waters using liquid chromatography coupled to tandem mass spectrometry. *Journal of Chromatography A*, **2008**, 1210, 84-91	4.5	157
7	Analytical methods for the determination of selected steroid sex hormones and corticosteriods in wastewater. *Analytical and Bioanalytical Chemistry*, **2007**, 387, 2143-51	4.4	95
6	Photodegradation of sulcotrione in various aquatic environments and toxicity of its photoproducts for some marine micro-organisms. *Water Research*, **2007**, 41, 1781-9	12.5	44
5	Mechanisms of direct and TiO2-photocatalysed UV degradation of phenylurea herbicides. *ChemPhysChem*, **2005**, 6, 2064-74	3.2	65
4	Assessment of the toxicity of triasulfuron and its photoproducts using aquatic organisms. *Environmental Toxicology and Chemistry*, **2004**, 23, 2837-43	3.8	10
3	Influence of pH and irradiation wavelength on the photochemical degradation of sulfonylureas. *Journal of Photochemistry and Photobiology A: Chemistry*, **2004**, 163, 69-75	4.7	28
2	Factors influencing the photocatalytic degradation of sulfonylurea herbicides by TiO2 aqueous suspension. *Journal of Photochemistry and Photobiology A: Chemistry*, **2003**, 159, 71-79	4.7	72
1	Photocatalytic degradation of sulfonylurea herbicides in aqueous TiO2. *Applied Catalysis B: Environmental*, **2002**, 38, 127-137	21.8	93