Olatz Zuloaga

List of Publications by Year in descending order

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123 4,252 papers citations

38 h-index 58 g-index

125 all docs 125 docs citations 125 times ranked 4381 citing authors

#	Article	IF	CITATIONS
1	Characterization of the contamination fingerprint of wastewater treatment plant effluents in the Henares River Basin (central Spain) based on target and suspect screening analysis. Science of the Total Environment, 2022, 806, 151262.	8.0	16
2	Migration of photoinitiators, phthalates and plasticizers from paper and cardboard materials into different simulants and foodstuffs. Food Chemistry, 2021, 344, 128597.	8.2	21
3	Multi-Target Analysis and Suspect Screening of Xenobiotics in Milk by UHPLC-HRMS/MS. Separations, 2021, 8, 14.	2.4	13
4	Suspect screening workflow comparison for the analysis of organic xenobiotics in environmental water samples. Chemosphere, 2021, 274, 129964.	8.2	25
5	Integrated biological response to environmentally-relevant concentration of amitriptyline in Sparus aurata. Ecological Indicators, 2021, 130, 108028.	6.3	6
6	Suspect and non-target screening: the last frontier in environmental analysis. Analytical Methods, 2021, 13, 1876-1904.	2.7	51
7	Stir-bar sorptive extraction. , 2020, , 493-530.		5
8	Target and suspect screening of substances liable to migrate from food contact paper and cardboard materials using liquid chromatography-high resolution tandem mass spectrometry. Talanta, 2020, 208, 120394.	5 . 5	24
9	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. Drug and Alcohol Dependence, 2020, 215, 108241.	3.2	30
10	Application of the Sea Urchin Embryo Test in Toxicity Evaluation and Effect-Directed Analysis of Wastewater Treatment Plant Effluents. Environmental Science & Environmental Science & 2020, 54, 8890-8899.	10.0	19
11	Focused ultrasound-based extraction for target analysis and suspect screening of organic xenobiotics in fish muscle. Science of the Total Environment, 2020, 740, 139894.	8.0	18
12	Occurrence of per- and polyfluorinated compounds in paper and board packaging materials and migration to food simulants and foodstuffs. Food Chemistry, 2020, 321, 126746.	8.2	30
13	Amitriptyline at an Environmentally Relevant Concentration Alters the Profile of Metabolites Beyond Monoamines in Giltâ€Head Bream. Environmental Toxicology and Chemistry, 2019, 38, 965-977.	4.3	11
14	Short-term stability assessment for the analysis of emerging contaminants in seawater. Environmental Science and Pollution Research, 2019, 26, 23861-23872.	5 . 3	5
15	Multiresidue analytical method for the determination of 41 multiclass organic pollutants in mussel and fish tissues and biofluids by liquid chromatography coupled to tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 493-506.	3.7	30
16	Evaluation of polar organic chemical integrative and hollow fibre samplers for the determination of a wide variety of organic polar compounds in seawater. Talanta, 2018, 185, 469-476.	5 . 5	26
17	Ciprofloxacin by-products in seawater environment in the presence and absence of gilt-head bream. Chemosphere, 2018, 197, 560-568.	8.2	17
18	Biodegradation and Uptake of the Pesticide Sulfluramid in a Soil–Carrot Mesocosm. Environmental Science & Environmental Sci	10.0	53

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19	Simultaneous determination of 41 multiclass organic pollutants in environmental waters by means of polyethersulfone microextraction followed by liquid chromatography–tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 615-632.	3.7	30
20	Occurrence of emerging pollutants in estuaries of the Basque Country: Analysis of sources and distribution, and assessment of the environmental risk. Water Research, 2018, 147, 152-163.	11.3	118
21	Non-targeted metabolomics reveals alterations in liver and plasma of gilt-head bream exposed to oxybenzone. Chemosphere, 2018, 211, 624-631.	8.2	39
22	Study of bioconcentration of oxybenzone in gilt-head bream and characterization of its by-products. Chemosphere, 2018, 208, 399-407.	8.2	19
23	Bioconcentration and Biotransformation of Amitriptyline in Gilt-Head Bream. Environmental Science & En	10.0	20
24	Occurrence and Fate of Organic and Organometallic Pollutants in Municipal Wastewater Treatment Plants and Their Impact on Receiving Waters (Adour Estuary, France). Archives of Environmental Contamination and Toxicology, 2017, 73, 619-630.	4.1	18
25	Screening and identification of per- and polyfluoroalkyl substances in microwave popcorn bags. Food Chemistry, 2017, 230, 497-506.	8.2	56
26	Tetraphasic polar organic chemical integrative sampler for the determination of a wide polarity range organic pollutants in water. The use of performance reference compounds and in-situ calibration. Talanta, 2017, 164, 314-322.	5.5	19
27	Determination of fluoroquinolones in fish tissues, biological fluids, and environmental waters by liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 6359-6370.	3.7	42
28	Biotransformation of 8:2 polyfluoroalkyl phosphate diester in gilthead bream (Sparus aurata). Science of the Total Environment, 2017, 609, 1085-1092.	8.0	23
29	Uptake of polybrominated diphenyl ethers by carrot and lettuce crops grown in compost-amended soils. Environmental Science and Pollution Research, 2016, 23, 3847-3859.	5.3	13
30	Uptake of perfluorooctanoic acid, perfluorooctane sulfonate and perfluorooctane sulfonamide by carrot and lettuce from compost amended soil. Science of the Total Environment, 2016, 571, 444-451.	8.0	84
31	Uptake of 8:2 perfluoroalkyl phosphate diester and its degradation products by carrot and lettuce from compost-amended soil. Chemosphere, 2016, 152, 309-317.	8.2	54
32	Determination of tricyclic antidepressants in biota tissue and environmental waters by liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 1205-1216.	3.7	21
33	Fast and simple determination of perfluorinated compounds and their potential precursors in different packaging materials. Talanta, 2016, 152, 353-363.	5.5	51
34	Evaluation of preconcentration methods in the analysis of synthetic musks in wholeâ€water samples. Journal of Separation Science, 2015, 38, 2298-2304.	2.5	8
35	Simultaneous determination of perfluorinated compounds and their potential precursors in mussel tissue and fish muscle tissue and liver samples by liquid chromatography–electrospray-tandem mass spectrometry. Journal of Chromatography A, 2015, 1387, 13-23.	3.7	63
36	Simultaneous determination of a variety of endocrine disrupting compounds in carrot, lettuce and amended soil by means of focused ultrasonic solid–liquid extraction and dispersive solid-phase extraction as simplified clean-up strategy. Journal of Chromatography A, 2015, 1389, 8-18.	3.7	50

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37	Enrichment of perfluorinated alkyl substances on polyethersulfone using 1-methylpyperidine as ion-pair reagent for the clean-up of carrot and amended soil extracts. Talanta, 2015, 143, 263-270.	5.5	6
38	Multiscreening determination of organic pollutants in molluscs using matrix solid phase dispersion. Journal of Chromatography A, 2015, 1391, 18-30.	3.7	31
39	Resolution and identification of coâ€eluting alkylphenols in comprehensive twoâ€dimensional gas chromatography–mass spectrometry by multivariate curve resolutionâ€alternating least squares. Journal of Chemometrics, 2015, 29, 237-244.	1.3	6
40	Dispersive liquid–liquid microextraction: trends in the analysis of biological samples. Bioanalysis, 2015, 7, 2211-2225.	1.5	38
41	Focused ultrasound solid–liquid extraction for the determination of perfluorinated compounds in fish, vegetables and amended soil. Journal of Chromatography A, 2014, 1331, 27-37.	3.7	65
42	In-port derivatization coupled to different extraction techniques for the determination of alkylphenols in environmental water samples. Journal of Chromatography A, 2014, 1340, 1-7.	3.7	13
43	Development of stir-bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry for the analysis of musks in vegetables and amended soils. Analytica Chimica Acta, 2014, 812, 74-82.	5.4	30
44	Matrix effect during the membrane-assisted solvent extraction coupled to liquid chromatography tandem mass spectrometry for the determination of a variety of endocrine disrupting compounds in wastewater. Journal of Chromatography A, 2014, 1356, 163-170.	3.7	40
45	Matrix solid-phase dispersion of polybrominated diphenyl ethers and their hydroxylated and methoxylated analogues in lettuce, carrot and soil. Journal of Chromatography A, 2014, 1360, 57-65.	3.7	20
46	Focused ultrasound assisted extraction for the determination of PBDEs in vegetables and amended soil. Talanta, 2014, 119, 53-59.	5.5	14
47	Estrogenic effects of nonylphenol and octylphenol isomers in vitro by recombinant yeast assay (RYA) and in vivo with early life stages of zebrafish. Science of the Total Environment, 2014, 466-467, 1-10.	8.0	21
48	Hazards of the Endocrine Disruptors on Mullets (<i>Chelon labrosus</i>) from the Basque Coast (Bay of Biscay) Applying a Biomarker Based Approach. Cytologia, 2014, 79, 517-533.	0.6	2
49	Distribution of polycyclic aromatic hydrocarbons in recent sediments of Sundarban mangrove wetland of India and Bangladesh: a comparative approach. Environmental Earth Sciences, 2013, 68, 355-367.	2.7	29
50	Calibration and field test of the Polar Organic Chemical Integrative Samplers for the determination of 15 endocrine disrupting compounds in wastewater and river water with special focus on performance reference compounds (PRC). Water Research, 2013, 47, 2851-2862.	11.3	40
51	In-port derivatization after sorptive extractions. Journal of Chromatography A, 2013, 1296, 36-46.	3.7	31
52	Determination of polycyclic and nitro musks in environmental water samples by means of microextraction by packed sorbents coupled to large volume injection-gas chromatography–mass spectrometry analysis. Analytica Chimica Acta, 2013, 773, 68-75.	5.4	45
53	Analysis of PCBs in Waters. , 2013, , 765-788.		0
54	Overview of extraction, clean-up and detection techniques for the determination of organic pollutants in sewage sludge: A review. Analytica Chimica Acta, 2012, 736, 7-29.	5.4	169

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55	Solid-phase extraction combined with large volume injection-programmable temperature vaporization–gas chromatography–mass spectrometry for the multiresidue determination of priority and emerging organic pollutants in wastewater. Journal of Chromatography A, 2012, 1247, 104-117.	3.7	54
56	Extraction Procedures for Organic Pollutants Determination in Water. Environmental Chemistry for A Sustainable World, 2012, , 171-235.	0.5	3
57	Membrane assisted solvent extraction coupled to large volume injection-gas chromatography–mass spectrometry for trace analysis of synthetic musks in environmental water samples. Journal of Chromatography A, 2012, 1227, 38-47.	3.7	36
58	Membrane-assisted solvent extraction coupled to large volume injection–gas chromatography–mass spectrometry for the determination of a variety of endocrine disrupting compounds in environmental water samples. Analytical and Bioanalytical Chemistry, 2012, 402, 2897-2907.	3.7	16
59	Selective determination of estrogenic compounds in water by microextraction by packed sorbents and a molecularly imprinted polymer coupled with large volume injection-in-port-derivatization gas chromatography–mass spectrometry. Analytica Chimica Acta, 2011, 703, 41-51.	5.4	90
60	The use of limpets as monitor of PAHs pollution in the Cantabrian coast. Continental Shelf Research, 2011, 31, 1818-1826.	1.8	5
61	Optimisation of stir bar sorptive extraction and in-tube derivatisation–thermal desorption–gas chromatography–mass spectrometry for the determination of several endocrine disruptor compounds in environmental water samples. Analytical and Bioanalytical Chemistry, 2011, 401, 339-352.	3.7	38
62	Comprehensive two-dimensional gas chromatography to characterize hydrocarbon mixtures in lithic materials. Journal of Chromatography A, 2011, 1218, 1656-1662.	3.7	11
63	Optimization of comprehensive two dimensional gas chromatography-flame ionization detection–quadrupole mass spectrometry for the separation of octyl- and nonylphenol isomers. Journal of Chromatography A, 2011, 1218, 3064-3069.	3.7	20
64	Focused ultrasound-assisted acceleration of enzymatic hydrolysis of alkylphenols and $17\hat{l}^2$ -oestradiol glucuronide in fish bile. Analytical and Bioanalytical Chemistry, 2010, 398, 2307-2314.	3.7	15
65	Distribution of Organic Microcontaminants, Butyltins, and Metals in Mussels From the Estuary of Bilbao. Archives of Environmental Contamination and Toxicology, 2010, 59, 244-254.	4.1	32
66	Occurrence and Distribution of Metals in Mussels from the Cantabrian Coast. Archives of Environmental Contamination and Toxicology, 2010, 59, 235-243.	4.1	38
67	Optimization of large volume injection-programmable temperature vaporization-gas chromatography–mass spectrometry analysis for the determination of estrogenic compounds in environmental samples. Journal of Chromatography A, 2010, 1217, 8327-8333.	3.7	19
68	Ultrasonicâ€assisted derivatization of estrogenic compounds in a cup horn booster and determination by GCâ€MS. Journal of Separation Science, 2010, 33, 104-111.	2.5	16
69	Preparation of a reference mussel tissue material for polycyclic aromatic hydrocarbons and trace metals determination. Analytica Chimica Acta, 2010, 675, 91-96.	5.4	6
70	Stir-bar sorptive extraction: A view on method optimisation, novel applications, limitations and potential solutions. Journal of Chromatography A, 2010, 1217, 2642-2666.	3.7	347
71	Determination of alkylphenols and $17\hat{l}^2$ -estradiol in fish homogenate. Extraction and clean-up strategies. Journal of Chromatography A, 2010, 1217, 5890-5895.	3.7	33
72	Levels of polycyclic aromatic hydrocarbons, polychlorinated byphenyls, methylmercury and butyltins in the natural UNESCO reserve of the biosphere of Urdaibai (Bay of Biscay, Spain). International Journal of Environmental Analytical Chemistry, 2010, 90, 722-736.	3.3	9

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73	Polycyclic Aromatic Hydrocarbons in Intertidal Marine Bivalves of Sunderban Mangrove Wetland, India: An Approach to Bioindicator Species. Water, Air, and Soil Pollution, 2009, 201, 305-318.	2.4	62
74	Trace Metals in Oysters, Crassotrea sps., from UNESCO Protected Natural Reserve of Urdaibai: Space-Time Observations and Source Identification. Bulletin of Environmental Contamination and Toxicology, 2009, 83, 223-229.	2.7	19
75	Retention-time locked methods in gas chromatography. Journal of Chromatography A, 2009, 1216, 1624-1629.	3.7	50
76	Use of experimental design in the optimisation of stir bar sorptive extraction followed by thermal desorption for the determination of brominated flame retardants in water samples. Analytical and Bioanalytical Chemistry, 2008, 390, 739-748.	3.7	41
77	Simultaneous extraction of several persistent organic pollutants in sediment using focused ultrasonic solid-liquid extraction. Analytical and Bioanalytical Chemistry, 2008, 392, 1471-1478.	3.7	35
78	Evaluation of three different mobile Raman microscopes employed to study deteriorated civil building stones. Journal of Raman Spectroscopy, 2008, 39, 1018-1029.	2.5	38
79	Optimisation of the headspaceâ€solid phase microextraction for organomercury and organotin compound determination in sediment and biota. Journal of Separation Science, 2008, 31, 768-774.	2.5	24
80	Simultaneous preconcentration of a wide variety of organic pollutants in water samples. Journal of Chromatography A, 2008, 1214, 1-10.	3.7	54
81	Simultaneous speciation of methylmercury and butyltin species in environmental samples by headspace-stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry. Journal of Chromatography A, 2008, 1185, 130-138.	3.7	60
82	Multisimplex Optimisation of the Purge-and-Trap Preconcentration of Volatile Fatty Acids, Phenols and Indoles in Cow Slurries. Chromatographia, 2008, 67, 93-99.	1.3	4
83	Levels and spatial distribution of inorganic and organic contaminants in sediments along the Bilbao estuary. Marine Pollution Bulletin, 2008, 56, 2094-2099.	5.0	15
84	Distribution and bioaccumulation of PAHs in the UNESCO protected natural reserve of Urdaibai, Bay of Biscay. Chemosphere, 2008, 72, 1467-1474.	8.2	80
85	Determination of trace levels of dinitrophenolic compounds by microporous membrane liquid–liquid extraction in environmental water samples. Journal of Separation Science, 2007, 30, 2144-2152.	2.5	13
86	Headspaceâ€solidâ€phase microextraction preconcentration of phenols, indoles and onâ€fibre derivatised volatile fatty acids in liquid and gas samples from cow slurries. Journal of Separation Science, 2007, 30, 2293-2304.	2.5	17
87	Fast method for routine simultaneous analysis of methylmercury and butyltins in seafood. Journal of Chromatography A, 2007, 1148, 78-85.	3.7	33
88	Chemical fingerprinting of petroleum biomarkers in biota samples using retention-time locking chromatography and multivariate analysis. Journal of Chromatography A, 2007, 1157, 369-375.	3.7	27
89	Development of a stir bar sorptive extraction and thermal desorption–gas chromatography–mass spectrometry method for the simultaneous determination of several persistent organic pollutants in water samples. Journal of Chromatography A, 2007, 1174, 40-49.	3.7	136
90	Production of artifact methylmercury during the analysis of certified reference sediments: Use of ionic exchange in the sample treatment step to minimise the problem. Analytica Chimica Acta, 2007, 582, 109-115.	5.4	22

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91	Spectroscopic characterisation of moonmilk deposits in Pozalagua tourist Cave (Karrantza, Basque) Tj ETQq1 1 0. 2007, 68, 1058-1064.	784314 rg 3.9	gBT /Overloo 27
92	Optimisation of the on-fibre derivatisation of volatile fatty acids in the simultaneous determination together with phenols and indoles in cow slurries. Analytical and Bioanalytical Chemistry, 2007, 389, 1603-1609.	3.7	11
93	Comparison of solid phase extraction, saponification and gel permeation chromatography for the clean-up of microwave-assisted biological extracts in the analysis of polycyclic aromatic hydrocarbons. Journal of Chromatography A, 2006, 1128, 10-16.	3.7	68
94	Experimental design to optimise the analysis of organic volatile compounds in cow slurry by headspace solid-phase microextraction–gas chromatography–mass spectrometry. Journal of Chromatography A, 2006, 1136, 1-9.	3.7	26
95	Analytical and thermodynamical approach to understand the mobility/retention of arsenic species from the river to the estuary. The Bilbao case study. Marine Chemistry, 2006, 99, 42-51.	2.3	21
96	Accelerated extraction for determination of polycyclic aromatic hydrocarbons in marine biota. Analytical and Bioanalytical Chemistry, 2006, 384, 1331-1340.	3.7	44
97	Distribution of trace organic contaminants and total mercury in sediments from the Bilbao and Urdaibai Estuaries (Bay of Biscay). Marine Pollution Bulletin, 2006, 52, 1111-1117.	5.0	38
98	Optimisation of microwave-assisted extraction for the determination of nonylphenols and phthalate esters in sediment samples and comparison with pressurised solvent extraction. Analytica Chimica Acta, 2005, 534, 247-254.	5.4	67
99	Simultaneous microwave-assisted extraction of polycyclic aromatic hydrocarbons, polychlorinated biphenyls, phthalate esters and nonylphenols in sediments. Journal of Chromatography A, 2005, 1068, 229-236.	3.7	115
100	Analysis of heavy metal distribution in superficial estuarine sediments (estuary of Bilbao, Basque) Tj ETQq0 0 0 rgB	3T /Overloo 8.2	ck 10 Tf 50
101	Validation of the thermodynamic model of inorganic arsenic in non polluted river waters of the Basque country (Spain). Talanta, 2004, 63, 683-690.	5.5	5
102	Study of the precipitation equilibria of arsenate anion with calcium and magnesium in sodium perchlorate at 25°C. Applied Geochemistry, 2004, 19, 855-862.	3.0	33
103	Title is missing!. Journal of Solution Chemistry, 2003, 32, 253-264.	1.2	13
104	Determination of tributyltin in marine sediment: Comit� Consultatif pour la Quantit� de Mati�re (CCQM) pilot study P-18 international intercomparison. Analytical and Bioanalytical Chemistry, 2003, 376, 780-787.	3.7	28
105	Development of a Modified Bromley Methodology for the estimation of ionic media effects on solution equilibria. Fluid Phase Equilibria, 2003, 207, 81-95.	2.5	5
106	Development of a modified Bromley methodology for the estimation of ionic media effects on solution equilibria. Fluid Phase Equilibria, 2003, 207, 69-80.	2.5	6
107	Rapid, accurate and precise determination of tributyltin in sediments and biological samples by species specific isotope dilution-microwave extraction-gas chromatography-ICP mass spectrometry. Journal of Analytical Atomic Spectrometry, 2003, 18, 247-253.	3.0	42
108	Simultaneous mercury and tin speciation in environmental samples by GC-MIP/AES after preconcentration by solid phase microextraction. European Physical Journal Special Topics, 2003, 107, 1423-1423.	0.2	1

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109	The thermodynamic model of inorganic arsenic species in aqueous solutions Potentiometric study of the hydrolitic equilibrium of arsenic acid. Talanta, 2002, 57, 849-857.	5.5	22
110	MultiSimplex optimisation of the solid-phase microextraction–gas chromatographic–mass spectrometric determination of polycyclic aromatic hydrocarbons, polychlorinated biphenyls and phthalates from water samples. Journal of Chromatography A, 2002, 978, 165-175.	3.7	93
111	Optimization of Focused Microwave-Assisted Extraction of DDT and Derivatives from Soil Samples. Journal of High Resolution Chromatography, 2000, 23, 681-687.	1.4	10
112	MultiSimplex optimisation and comparison of different purge-and-trap extractions of volatile organic compounds in soil samples. Analytica Chimica Acta, 2000, 416, 43-53.	5.4	20
113	Optimization and comparison of MAE, ASE and Soxhlet extraction for the determination of HCH isomers in soil samples. Fresenius' Journal of Analytical Chemistry, 2000, 367, 733-737.	1.5	48
114	Influence of solvent and soil type on the pressurised fluid extraction of PAHs. Journal of Environmental Monitoring, 2000, 2, 634-638.	2.1	14
115	MultiSimplex optimisation of purge-and-trap extraction of volatile organic compounds in soil samples. Analyst, The, 2000, 125, 477-480.	3.5	9
116	MultiSimplex optimisation of purge-and-trap extraction of phenols in soil samples. Journal of Chromatography A, 1999, 849, 225-234.	3.7	16
117	Optimisation and comparison of microwave-assisted extraction and Soxhlet extraction for the determination of polychlorinated biphenyls in soil samples using an experimental design approach. Talanta, 1999, 50, 345-357.	5.5	41
118	Comparison of accelerated solvent extraction with microwave-assisted extraction and Soxhlet for the extraction of chlorinated biphenyls in soil samples. TrAC - Trends in Analytical Chemistry, 1998, 17, 642-647.	11.4	68
119	Comparison of microwave-assisted extraction and Soxhlet extraction for phenols in soil samples using experimental designs. Analyst, The, 1998, 123, 1679-1684.	3.5	51
120	Uptake of different organic pollutants by carrot ., 0,,.		0
121	Sulfonamida antibiotikoen determinazioa zoruan. , 0, , .		0
122	lkusezina ikusgai bihurtzearen erronka: analisi bideratutik ez-bideratura jauzia bereizmen altuko masa espektrometriari esker. , 0, , .		0
123	Efektuei Bideratutako Analisia ospitaleko efluenteetan disruptore endokrino potentzialen detekziorako legamia bidezko in-vitro biosaioaz baliatuz. , 0, , .		O