

# Josep Caixach

## List of Publications by Year in descending order

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87  
papers

3,378  
citations

101543

36  
h-index

155660

55  
g-index

89  
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89  
docs citations

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times ranked

4477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Yeast-yeast interactions revealed by aromatic profile analysis of Sauvignon Blanc wine fermented by single or co-culture of non-Saccharomyces and Saccharomyces yeasts. <i>Food Microbiology</i> , 2012, 32, 243-253.	4.2	315
2	Occurrence of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in N.E. Spanish surface waters and their removal in a drinking water treatment plant that combines conventional and advanced treatments in parallel lines. <i>Science of the Total Environment</i> , 2013, 461-462, 618-626.	8.0	150
3	Biochemical responses of <i>Mytilus galloprovincialis</i> as biomarkers of acute environmental pollution caused by the Don Pedro oil spill (Eivissa Island, Spain). <i>Aquatic Toxicology</i> , 2011, 101, 540-549.	4.0	124
4	Analysis of nitrosamines in water by automated SPE and isotope dilution GC/HRMS Occurrence in the different steps of a drinking water treatment plant, and in chlorinated samples from a reservoir and a sewage treatment plant effluent. <i>Talanta</i> , 2008, 76, 906-913.	5.5	121
5	Toxic Potency Assessment of Non- and Mono-orthoPCBs, PCDDs, PCDFs, and PAHs in Northwest Mediterranean Sediments (Catalonia, Spain). <i>Environmental Science &amp; Technology</i> , 2001, 35, 3589-3594.	10.0	89
6	Analysis of cyanobacterial hepatotoxins in water samples by microbore reversed-phase liquid chromatography-electrospray ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2002, 959, 103-111.	3.7	77
7	Comparative study of different extraction techniques for the analysis of virgin olive oil aroma. <i>Food Chemistry</i> , 2007, 105, 1171-1178.	8.2	75
8	Occurrence of cytostatic compounds in hospital effluents and wastewaters, determined by liquid chromatography coupled to high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3801-3814.	3.7	73
9	Optimization of intracellular microcystin extraction for their subsequent analysis by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2005, 1074, 23-30.	3.7	70
10	Assessment of polycyclic aromatic hydrocarbon concentrations in mussels ( <i>Mytilus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (gallop Assessment, 2011, 172, 301-317.	2.7	68
11	Occurrence of cyclophosphamide and epirubicin in wastewaters by direct injection analysis-liquid chromatography-high-resolution mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2012, 19, 3210-3218.	5.3	65
12	Recreational Exposure during Algal Bloom in Carrasco Beach, Uruguay: A Liver Failure Case Report. <i>Toxins</i> , 2017, 9, 267.	3.4	65
13	Targeted analysis with benchtop quadrupole-orbitrap hybrid mass spectrometer: Application to determination of synthetic hormones in animal urine. <i>Analytica Chimica Acta</i> , 2013, 780, 65-73.	5.4	61
14	Analysis of pesticides and metabolites in Spanish surface waters by isotope dilution gas chromatography/mass spectrometry with previous automated solid-phase extraction. <i>Journal of Chromatography A</i> , 2006, 1131, 242-252.	3.7	60
15	Identification of ciguatoxins in a shark involved in a fatal food poisoning in the Indian Ocean. <i>Scientific Reports</i> , 2017, 7, 8240.	3.3	59
16	Determination of microcystin variants and related peptides present in a water bloom of <i>Planktothrix (Oscillatoria) rubescens</i> in a Spanish drinking water reservoir by LC/ESI-MS. <i>Toxicon</i> , 2004, 44, 881-886.	1.6	58
17	Study on PCDDs/PCDFs and co-PCBs content in food samples from Catalonia (Spain). <i>Chemosphere</i> , 2002, 46, 1435-1441.	8.2	57
18	Characterization of polyethoxylated surfactants and their brominated derivatives formed at the water treatment plant of Barcelona by GC/MS and FAB mass spectrometry. <i>Water Research</i> , 1988, 22, 1211-1217.	11.3	55

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19	A large scale survey of trace metal levels in coastal waters of the Western Mediterranean basin using caged mussels ( <i>Mytilus galloprovincialis</i> ). <i>Journal of Environmental Monitoring</i> , 2011, 13, 1495.	2.1	55
20	Molecular Characterization of Dissolved Organic Matter through a Desalination Process by High Resolution Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9619-9627.	10.0	54
21	GC/MS, HPLC and FAB Mass Spectrometric Analysis of Organic Micropollutants in Barcelona's Water Supply. <i>International Journal of Environmental Analytical Chemistry</i> , 1987, 29, 15-35.	3.3	53
22	Improvements in dioxin abatement strategies at a municipal waste management plant in Barcelona. <i>Chemosphere</i> , 2003, 50, 1175-1182.	8.2	53
23	Polychlorinated Dibenzo-p-dioxin/Polychlorinated Dibenzofuran Releases into the Atmosphere from the Use of Secondary Fuels in Cement Kilns during Clinker Formation. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4734-4738.	10.0	51
24	Monoterpene and sesquiterpene hydrocarbons of virgin olive oil by headspace solid-phase microextraction coupled to gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1125, 117-123.	3.7	50
25	Liquid chromatography coupled to tandem mass spectrometry and high resolution mass spectrometry as analytical tools to characterize multi-class cytostatic compounds. <i>Journal of Chromatography A</i> , 2013, 1276, 78-94.	3.7	47
26	Evaluation of tetrodotoxins in puffer fish caught along the Mediterranean coast of Spain. Toxin profile of <i>Lagocephalus sceleratus</i> . <i>Environmental Research</i> , 2017, 158, 1-6.	7.5	47
27	Identification of surfactants in water by fab mass spectrometry. <i>Water Research</i> , 1989, 23, 1191-1203.	11.3	46
28	Comparing the response of biochemical indicators (biomarkers) and biological indices to diagnose the ecological impact of an oil spillage in a Mediterranean river (NE Catalunya, Spain). <i>Chemosphere</i> , 2007, 66, 1206-1216.	8.2	46
29	Determination of lipophilic marine toxins in mussels. Quantification and confirmation criteria using high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1328, 16-25.	3.7	46
30	High-field FT-ICR mass spectrometry and NMR spectroscopy to characterize DOM removal through a nanofiltration pilot plant. <i>Water Research</i> , 2014, 67, 154-165.	11.3	45
31	Effects of Sewage Sludges Contaminated with Polychlorinated Dibenzo-p-dioxins, Dibenzofurans, and Biphenyls on Agricultural Soils. <i>Environmental Science &amp; Technology</i> , 1997, 31, 2765-2771.	10.0	44
32	Decline in PCDD and PCDF Levels in Sewage Sludges from Catalonia (Spain). <i>Environmental Science &amp; Technology</i> , 1999, 33, 2493-2498.	10.0	42
33	Simultaneous Quantitative Analysis of Anionic, Cationic, and Nonionic Surfactants in Water by Electrospray Ionization Mass Spectrometry with Flow Injection Analysis. <i>Analytical Chemistry</i> , 2003, 75, 5129-5136.	6.5	42
34	Magnetic Particle-Based Enzyme Assays and Immunoassays for Microcystins: From Colorimetric to Electrochemical Detection.. <i>Environmental Science &amp; Technology</i> , 2013, 47, 471-478.	10.0	40
35	Western Mediterranean coastal watersâ€™ Monitoring PCBs and pesticides accumulation in <i>Mytilus galloprovincialis</i> by active mussel watching: the Mytilos project. <i>Journal of Environmental Monitoring</i> , 2010, 12, 924.	2.1	39
36	Determination of cytostatic drugs in BesÃ²s River (NE Spain) and comparison with predicted environmental concentrations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6492-6503.	5.3	38

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37	Identification of 1,3-Dioxanes and 1,3-Dioxolanes as Malodorous Compounds at Trace Levels in River Water, Groundwater, and Tap Water. <i>Environmental Science &amp; Technology</i> , 1998, 32, 206-216.	10.0	37
38	Fungal biodegradation of anthracene-polluted cork: A comparative study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 70-77.	1.7	37
39	Chemometrics modelling of organic contaminants in fish and sediment river samples. <i>Science of the Total Environment</i> , 2006, 371, 223-237.	8.0	35
40	Comprehensive study on dioxin contents in binder and anti-caking agent feed additives. <i>Chemosphere</i> , 2002, 46, 1417-1421.	8.2	34
41	Identification of [(alkyloxy)polyethoxy]carboxylates in raw and drinking water by mass spectrometry/mass-spectrometry and mass determination using fast atom bombardment and nonionic surfactants as internal standards. <i>Analytical Chemistry</i> , 1991, 63, 2095-2099.	6.5	33
42	Assessment of Polychlorinated Naphthalenes in Aquifer Samples for Drinking Water Purposes. , 1997, 11, 410-414.		31
43	Detection of tetrodotoxins in juvenile pufferfish <i>Lagocephalus sceleratus</i> (Gmelin, 1789) from the North Aegean Sea (Greece) by an electrochemical magnetic bead-based immunosensing tool. <i>Food Chemistry</i> , 2019, 290, 255-262.	8.2	30
44	The Activity of Healthy Olive Microbiota during Virgin Olive Oil Extraction Influences Oil Chemical Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 4705-4714.	5.2	29
45	Insight into virgin olive oil secoiridoids characterization by high-resolution mass spectrometry and accurate mass measurements. <i>Journal of Chromatography A</i> , 2013, 1301, 48-59.	3.7	28
46	Determination of volatile thiols in lipid matrix by simultaneous derivatization/extraction and liquid chromatography–high resolution mass spectrometric analysis. Application to virgin olive oil. <i>Journal of Chromatography A</i> , 2013, 1318, 180-188.	3.7	28
47	Fragmentation studies for the structural characterization of marine dissolved organic matter. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2455-2462.	3.7	28
48	Analysis of volatile thiols in alcoholic beverages by simultaneous derivatization/extraction and liquid chromatography-high resolution mass spectrometry. <i>Food Chemistry</i> , 2015, 175, 401-408.	8.2	28
49	An integrated strategy for rapid and accurate determination of free and cell-bound microcystins and related peptides in natural blooms by liquid chromatography–electrospray-high resolution mass spectrometry and matrix-assisted laser desorption/ionization time-of-flight/time-of-flight mass spectrometry using both positive and negative ionization modes. <i>Journal of Chromatography A</i> , 2015, 1407, 76-89.	3.7	27
50	Identification of organic pollutants in Ter river and its system of reservoirs supplying water to Barcelona (Catalonia, Spain): A study by GC/MS and FAB/MS. <i>Water Research</i> , 1997, 31, 1996-2004.	11.3	26
51	Analysis of alkyl and 2-6-ringed polycyclic aromatic hydrocarbons by isotope dilution gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1113, 220-230.	3.7	26
52	Ripening and storage conditions of ChÃ©toui and Arbequina olives: Part II. Effect on olive endogenous enzymes and virgin olive oil secoiridoid profile determined by high resolution mass spectrometry. <i>Food Chemistry</i> , 2016, 210, 631-639.	8.2	25
53	Accurate mass measurements and ultrahigh-resolution: evaluation of different mass spectrometers for daily routine analysis of small molecules in negative electrospray ionization mode. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3595-3606.	3.7	24
54	Addressing the Analytical Challenges for the Detection of Ciguatoxins Using an Electrochemical Biosensor. <i>Analytical Chemistry</i> , 2020, 92, 4858-4865.	6.5	23

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55	Epicuticular Wax in Developing Olives ( <i>Olea europaea</i> ) Is Highly Dependent upon Cultivar and Fruit Ripeness. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5985-5994.	5.2	22
56	Environmental analysis of polychlorinated terphenyls: distribution in shellfish from the Ebro Delta (Mediterranean). <i>Journal of Chromatography A</i> , 1993, 643, 399-408.	3.7	20
57	Ultrahigh resolution mass spectrometry and accurate mass measurements for high-throughput food lipids profiling. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1177-1190.	1.6	20
58	Determination of dimethyl selenide and dimethyl sulphide compounds causing off-flavours in bottled mineral waters. <i>Water Research</i> , 2016, 92, 149-155.	11.3	19
59	Fate of Atrazine and Trifluralin from an Industrial Waste Dumping at the Llobregat River Presence in Fish, Raw and Finished Water. <i>International Journal of Environmental Analytical Chemistry</i> , 1986, 24, 183-191.	3.3	18
60	Inhibition equivalency factors for microcystin variants in recombinant and wild-type protein phosphatase 1 and 2A assays. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10652-10660.	5.3	18
61	Bioaccessibility of lipophilic and hydrophilic marine biotoxins in seafood: An in vitro digestion approach. <i>Food and Chemical Toxicology</i> , 2019, 129, 153-161.	3.6	18
62	Determination of volatile thiols in roasted coffee by derivatization and liquid chromatography-high resolution mass spectrometric analysis. <i>Food Research International</i> , 2014, 64, 610-617.	6.2	17
63	Concentrations of organochlorine pesticides and 2,4,6-trichloroanisole in cork bark. <i>Chemosphere</i> , 2012, 86, 754-758.	8.2	15
64	Evaluation of Airborne Organic Pollutants in a Pyrenean Glacial Lake (The Sabocos Tarn). <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	15
65	Thiols in brewed coffee: Assessment by fast derivatization and liquid chromatography-high resolution mass spectrometry. <i>LWT - Food Science and Technology</i> , 2015, 64, 1085-1090.	5.2	15
66	High Levels of Anabaenopeptins Detected in a Cyanobacteria Bloom from N.E. Spanish Sau-Susqueda-El Pasteral Reservoirs System by LC-HRMS. <i>Toxins</i> , 2020, 12, 541.	3.4	15
67	Evidence for a Specific Pattern of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans in Bivalves. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5090-5096.	10.0	14
68	Rapid screening and multi-toxin profile confirmation of tetrodotoxins and analogues in human body fluids derived from a puffer fish poisoning incident in New Caledonia. <i>Food and Chemical Toxicology</i> , 2018, 112, 188-193.	3.6	14
69	Simultaneous analysis of 11 haloacetic acids by direct injection-liquid chromatography-electrospray ionization-triple quadrupole tandem mass spectrometry and high resolution mass spectrometry: occurrence and evolution in chlorine-treated water. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3905-3917.	3.7	14
70	Validation interlaboratory trial for ISO 12010: Water quality-Determination of short-chain polychlorinated alkanes (SCCP) in water. <i>Accreditation and Quality Assurance</i> , 2012, 17, 15-25.	0.8	13
71	Surveillance programme on dioxin levels in ambient air sites in Catalonia (Spain). <i>Chemosphere</i> , 2002, 49, 697-702.	8.2	12
72	Modifications in virgin olive oil glycerolipid fingerprint during olive ripening by MALDI-TOF MS analysis. <i>LWT - Food Science and Technology</i> , 2012, 48, 24-29.	5.2	11

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73	FeCl <sub>2</sub> py 4 + catalyzed transformation of aromatic amines by HOOH under mild conditions. Journal of Molecular Catalysis A, 1999, 148, 49-58.	4.8	9
74	Quality losses in virgin olive oil due to washing and short-term storage before olive milling. European Journal of Lipid Science and Technology, 2015, 117, 2015-2022.	1.5	9
75	Direct chemical profiling of olive ( <i>Olea europaea</i> ) fruit epicuticular waxes by direct electrospray-ultrahigh resolution mass spectrometry. Journal of Mass Spectrometry, 2015, 50, 558-566.	1.6	8
76	Determination of volatile thiols in virgin olive oil by derivatisation and LC-MS/MS, and relation with sensory attributes. Food Chemistry, 2014, 149, 313-318.	8.2	7
77	Insights to estimate exposure to regulated and non-regulated disinfection by-products in drinking water. Journal of Exposure Science and Environmental Epidemiology, 2024, 34, 23-33.	3.9	7
78	Ames and sister chromatid exchange tests of organic extracts from drinking water. Bulletin of Environmental Contamination and Toxicology, 1992, 49, 259-65.	2.7	6
79	Relationship between the terpene enantiomeric distribution and the growth cycle of lemon fruit and comparison of two extraction methods. Journal of Essential Oil Research, 2018, 30, 244-252.	2.7	6
80	Identification of New CTX Analogues in Fish from the Madeira and Selvagens Archipelagos by Neuro-2a CBA and LC-MS/MS. Marine Drugs, 2022, 20, 236.	4.6	6
81	Identification of additives present in commercial dyes by fast atom bombardment. Organic Mass Spectrometry, 1988, 23, 558-560.	1.3	4
82	Application of Ozone on Activated Sludge: Micropollutant Removal and Sludge Quality. Ozone: Science and Engineering, 2017, 39, 319-332.	2.5	4
83	Can cyanotoxins explain the clinical features of the thermal crisis in balneotherapy?. Harmful Algae, 2022, 115, 102240.	4.8	4
84	Analysis of 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX) and its brominated analogues in chlorine-treated water by gas chromatography coupled to triple quadrupole tandem mass spectrometry (GC-QqQ-MS/MS). Talanta, 2015, 144, 145-156.	5.5	3
85	Fate and toxicity assessment of linear alkylbenzene sulfonates in drinking water using the ames test. Environmental Toxicology and Water Quality, 1993, 8, 383-396.	0.5	2
86	Analysis of EU Legislated Compounds for Assessing Chemical Status: Main Challenges and Inconsistencies. Handbook of Environmental Chemistry, 2015, , 269-281.	0.4	1
87	Evolution of Chemical Pollution in Catalan Coastal Sediments. Handbook of Environmental Chemistry, 2015, , 271-300.	0.4	0