

# I GirÃ¡ldez

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,518  
citations

172443

29  
h-index

214788

47  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous production of carotenoids and chemical building blocks precursors from chlorophyta microalgae. <i>Bioresource Technology</i> , 2022, 351, 127035.	9.6	11
2	Long-Term Sustainability of Marble Waste Sludge in Reducing Soil Acidity and Heavy Metal Release in a Contaminated Mine Technosol. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6998.	2.5	3
3	Assessing environmental pollution levels in marinas. <i>Science of the Total Environment</i> , 2021, 762, 144169.	8.0	23
4	Tagasaste, leucaena and paulownia: three industrial crops for energy and hemicelluloses production. <i>Biotechnology for Biofuels</i> , 2021, 14, 89.	6.2	7
5	Influence of Dietary Lipids and Environmental Salinity on the n-3 Long-Chain Polyunsaturated Fatty Acids Biosynthesis Capacity of the Marine Teleost <i>Solea senegalensis</i> . <i>Marine Drugs</i> , 2021, 19, 254.	4.6	4
6	Predicting the relative oral bioavailability of naturally occurring As, Cd and Pb from in vitro bioaccessibility measurement: implications for human soil ingestion exposure assessment. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4251-4264.	3.4	5
7	Ecological quality assessment of marinas: An integrative approach combining biological and environmental data. <i>Journal of Environmental Management</i> , 2021, 286, 112237.	7.8	21
8	Ultrasound extraction optimization for bioactive molecules from <i>Eucalyptus globulus</i> leaves through antioxidant activity. <i>Ultrasonics Sonochemistry</i> , 2021, 76, 105654.	8.2	25
9	Impact of heavy metals in the microalga <i>Chlorella sorokiniana</i> and assessment of its potential use in cadmium bioremediation. <i>Aquatic Toxicology</i> , 2021, 239, 105941.	4.0	33
10	Soil quality changes in an Iberian pyrite mine site 15 years after land reclamation. <i>Catena</i> , 2021, 206, 105538.	5.0	23
11	Phenylalanine and Tyrosine as Feed Additives for Reducing Stress and Enhancing Welfare in Gilthead Seabream and Meagre. <i>Animals</i> , 2021, 11, 45.	2.3	17
12	Effects of Dietary Phenylalanine and Tyrosine Supplements on the Chronic Stress Response in the Seabream ( <i>Sparus aurata</i> ). <i>Frontiers in Physiology</i> , 2021, 12, 775771.	2.8	4
13	Determination of booster biocides in sediments by focused ultrasound-assisted extraction and stir bar sorptive extraction—thermal desorption—gas chromatography—mass spectrometry. <i>Microchemical Journal</i> , 2020, 152, 104445.	4.5	11
14	Geochemical behavior and fate of trace elements in naturally contaminated soils under projected land-use changes. <i>Journal of Soils and Sediments</i> , 2020, 20, 1413-1423.	3.0	1
15	MSW Compost Valorization by Pyrolysis: Influence of Composting Process Parameters. <i>ACS Omega</i> , 2020, 5, 20810-20816.	3.5	7
16	Physiological and metabolic effects of a tryptophan-enriched diet to face up chronic stress in meagre ( <i>Argyrosomus regius</i> ). <i>Aquaculture</i> , 2020, 522, 735102.	3.5	24
17	Electrochemical oxidation of isothiazolinone biocides and their interaction with cysteine. <i>Electrochimica Acta</i> , 2020, 337, 135770.	5.2	3
18	Arsenic accumulation and speciation in strawberry plants exposed to inorganic arsenic enriched irrigation. <i>Food Chemistry</i> , 2020, 315, 126215.	8.2	21

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19	Metabolic and Stress Responses in Senegalese Soles ( <i>Solea senegalensis</i> Kaup) Fed Tryptophan Supplements: Effects of Concentration and Feeding Period. <i>Animals</i> , 2019, 9, 320.	2.3	8
20	Fatty Acids to Quantify Phytoplankton Functional Groups and Their Spatiotemporal Dynamics in a Highly Turbid Estuary. <i>Estuaries and Coasts</i> , 2019, 42, 1971-1990.	2.2	12
21	Stressors Due to Handling Impair Gut Immunity in Meagre ( <i>Argyrosomus regius</i> ): The Compensatory Role of Dietary L-Tryptophan. <i>Frontiers in Physiology</i> , 2019, 10, 547.	2.8	8
22	Source and geochemical partitioning of silver in a naturally-enriched soil. <i>Applied Geochemistry</i> , 2019, 103, 85-96.	3.0	5
23	Effects of Se-enrichment on plant growth and fruit quality of strawberry. <i>Acta Horticulturae</i> , 2019, , 505-510.	0.2	1
24	Toxicity and biochemical transformation of selenium species in rotifer ( <i>Brachionus plicatilis</i> ) enrichments. <i>Aquaculture</i> , 2018, 484, 105-111.	3.5	17
25	Crustacean amphipods from marsh ponds: a nutritious feed resource with potential for application in Integrated Multi-Trophic Aquaculture. <i>PeerJ</i> , 2018, 6, e4194.	2.0	20
26	Effects of the Dietary Tryptophan and Aspartate on the Immune Response of Meagre ( <i>Argyrosomus</i> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf 5	1.7	18
27	Effects of amino acid supplementations on metabolic and physiological parameters in Atlantic cod ( <i>Gadus morhua</i> ) under stress. <i>Fish Physiology and Biochemistry</i> , 2017, 43, 591-602.	2.3	30
28	Speciation analysis of Se-enriched strawberries ( <i>Fragaria ananassa</i> Duch) cultivated on hydroponics by HPLC-TR-HG-AFS. <i>Microchemical Journal</i> , 2016, 127, 120-124.	4.5	15
29	Assessing the environmental availability of heavy metals in geogenically contaminated soils of the Sierra de Aracena Natural Park (SW Spain). Is there a health risk?. <i>Science of the Total Environment</i> , 2016, 560-561, 254-265.	8.0	68
30	Assessment of compost maturity by using an electronic nose. <i>Waste Management</i> , 2016, 48, 174-180.	7.4	24
31	Geoavailability of lithogenic trace elements of environmental concern and supergene enrichment in soils of the Sierra de Aracena Natural Park (SW Spain). <i>Geoderma</i> , 2015, 259-260, 164-173.	5.1	26
32	Speciation of selenite and selenoamino acids in biota samples by dual stir bar sorptive extraction-single desorption-capillary gas chromatography/mass spectrometry. <i>Microchemical Journal</i> , 2015, 122, 197-204.	4.5	11
33	Experimental and theoretical evidence of zinc structurally bound in vermiculite from naturally metal-enriched soils. <i>Clay Minerals</i> , 2013, 48, 529-541.	0.6	5
34	A simplified method for inorganic selenium and selenoaminoacids speciation based on HPLC-TR-HG-AFS. <i>Talanta</i> , 2013, 106, 298-304.	5.5	35
35	Biofiltration of 1±-pinene vapours using municipal solid waste (MSW) Pruning residues (P) composts as packing materials. <i>Chemical Engineering Journal</i> , 2013, 233, 149-158.	12.7	20
36	Temporal Fluctuation of Metals in Seawater of the Piedras River Estuary and the Effects of Copper on <i>Venerupis decussata</i> Larvae. <i>Journal of Shellfish Research</i> , 2013, 32, 291-296.	0.9	0

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37	Determination of five booster biocides in seawater by stir bar sorptive extractionâ€“thermal desorptionâ€“gas chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1271, 17-26.	3.7	14
38	Determination of selenomethionine and seleno-methyl-selenocysteine in biota by ultrasonic-assisted enzymatic digestion and multi-shot stir bar sorptive extractionâ€“thermal desorptionâ€“gas chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1300, 151-158.	3.7	11
39	Effect of aeration rate and moisture content on the emissions of selected VOCs during municipal solid waste composting. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 371-378.	3.0	20
40	Use of electronic nose and GC-MS in detection and monitoring some VOC. <i>Atmospheric Environment</i> , 2012, 51, 278-285.	4.1	87
41	Influence of Control Parameters in VOCs Evolution during MSW Trimming Residues Composting. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 13035-13042.	5.2	22
42	Biofiltration of composting gases using different municipal solid waste-pruning residue composts: Monitoring by using an electronic nose. <i>Bioresource Technology</i> , 2011, 102, 7984-7993.	9.6	31
43	Effect of control parameters on emitted volatile compounds in municipal solid waste and pine trimmings composting. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 855-862.	1.7	28
44	Organotin contamination in the Atlantic Ocean off the Iberian Peninsula in relation to shipping. <i>Chemosphere</i> , 2006, 64, 1100-1108.	8.2	39
45	Arsenic speciation in river and estuarine waters from southwest Spain. <i>Science of the Total Environment</i> , 2005, 345, 207-217.	8.0	79
46	Speciation analysis of selenium compounds in yeasts using pressurised liquid extraction and liquid chromatographyâ€“microwave-assisted digestionâ€“hydride generationâ€“atomic fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 2004, 524, 305-314.	5.4	46
47	Imposex and butyltin contamination off the Oporto Coast (NW Portugal): a possible effect of the discharge of dredged material. <i>Environment International</i> , 2004, 30, 793-798.	10.0	35
48	Heavy metal partitioning in river sediments severely polluted by acid mine drainage in the Iberian Pyrite Belt. <i>Applied Geochemistry</i> , 2003, 18, 409-421.	3.0	191
49	Determination of methyltin species in sediments using a pervaporation-gas chromatographic approach. <i>Applied Organometallic Chemistry</i> , 2002, 16, 210-215.	3.5	11
50	Pretreatment procedure for selenium speciation in shellfish using high-performance liquid chromatography-microwave-assisted digestion-hydride generation-atomic fluorescence spectrometry. <i>Applied Organometallic Chemistry</i> , 2002, 16, 265-270.	3.5	23
51	Determination of polychlorinated biphenyls in biota samples using simultaneous pressurized liquid extraction and purification. <i>Journal of Chromatography A</i> , 2002, 946, 209-219.	3.7	103
52	Sample treatment in chromatography-based speciation of organometallic pollutants. <i>Journal of Chromatography A</i> , 2001, 938, 211-224.	3.7	70
53	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2001, 126, 253-270.	2.4	20
54	Problems associated with an environmental assessment of organotins: Application to the organic polluted saladillo harbor (southern Spain). <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1597-1606.	4.3	3

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55	Column-switching system for selenium speciation by coupling reversed-phase and ion-exchange high-performance liquid chromatography with microwave-assisted digestion and hydride generation atomic fluorescence spectrometry. <i>Journal of Chromatography A</i> , 2000, 889, 33-39.	3.7	40
56	Stability of chemical species in environmental matrices. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 200-209.	11.4	77
57	Metal sequential extraction procedure optimized for heavily polluted and iron oxide rich sediments. <i>Analytica Chimica Acta</i> , 2000, 414, 151-164.	5.4	80
58	Temporal fluctuations of tributyltin in the bivalve <i>Venerupis decussata</i> at five stations in southwest Spain. <i>Environmental Pollution</i> , 2000, 108, 279-290.	7.5	19
59	Selectivity assessment of a sequential extraction procedure for metal mobility characterization using model phases. <i>Talanta</i> , 2000, 52, 545-554.	5.5	48
60	Comparison of the feasibility of three extraction procedures for trace metal partitioning in sediments from south-west Spain. <i>Science of the Total Environment</i> , 2000, 246, 271-283.	8.0	67
61	A comparison between ICP-MS and AFS detection for arsenic speciation in environmental samples. <i>Talanta</i> , 2000, 51, 257-268.	5.5	185
62	Coupling Pervaporation-Gas Chromatography for Speciation of Volatile Forms of Selenium in Sediments. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 427-440.	3.3	12
63	Comparison of biota sample pretreatments for arsenic speciation with coupled HPLC-HG-ICP-MS. <i>Analyst</i> , The, 2000, 125, 401-407.	3.5	80
64	Use of solid phase extraction for speciation of selenium compounds in aqueous environmental samples. <i>Analyst</i> , The, 1999, 124, 75-78.	3.5	40
65	Determination of Dialkyldiselenides in Water by Gas Chromatography-Mass Spectrometry Using 1-Fluoro-2,4-dinitrobenzene as Derivatization Reagent. <i>Journal of Chromatographic Science</i> , 1999, 37, 436-442.	1.4	3
66	Stability and storage problems in organotin speciation in environmental samples. <i>Journal of Environmental Monitoring</i> , 1999, 1, 197-202.	2.1	30
67	Optimization of a Sequential Extraction Scheme for the Characterization of Heavy Metal Mobility in Iron Oxide Rich Sediments. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 75, 3-18.	3.3	10
68	The Use of Transplanted <i>Venerupis Decussata</i> to Evaluate the Pollution of Heavy Metals and Tributyltin in Marinas. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 75, 107-120.	3.3	2
69	Stability and Storage Problems in Selenium Speciation from Environmental Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 74, 215-231.	3.3	8
70	Metal readsorption and redistribution during the analytical fractionation of trace elements in oxic estuarine sediments. <i>Analytica Chimica Acta</i> , 1999, 399, 295-307.	5.4	116
71	Uptake and elimination of tributyltin in clams, <i>Venerupis decussata</i> . <i>Marine Environmental Research</i> , 1999, 47, 399-413.	2.5	35
72	Comparison of three derivatization reagents for the analysis of Se(IV) based on piarselenol formation and gas chromatography-mass spectrometry. <i>Talanta</i> , 1999, 49, 285-292.	5.5	23

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73	Arsenic Speciation in Biological Samples Using the Couplings HPLC-UV-HG-AAS and HPLC-UV-HG-AFS. International Journal of Environmental Analytical Chemistry, 1999, 74, 203-213.	3.3	14
74	Speciation of volatile forms of selenium and inorganic selenium in sediments by gas chromatography-mass spectrometry. Journal of Chromatography A, 1998, 823, 259-277.	3.7	31
75	Spatial distribution of butyltin and phenyltin compounds on the Huelva coast (Southwest Spain). Chemosphere, 1998, 37, 937-950.	8.2	36
76	Selective extraction of iron oxide associated arsenic species from sediments for speciation with coupled HPLC-HG-AAS. Journal of Analytical Atomic Spectrometry, 1998, 13, 1375-1379.	3.0	41
77	Acid Leaching/Solvent Extraction Treatment of Sediment Samples for Organotin Speciation. International Journal of Environmental Analytical Chemistry, 1997, 66, 1-13.	3.3	4
78	Acid/extraction treatment of bivalves for organotin speciation. Fresenius' Journal of Analytical Chemistry, 1997, 357, 1007-1009.	1.5	18
79	Acid extraction treatment of sediment samples for organotin speciation; occurrence of butyltin and phenyltin compounds on the cadiz coast, south-west spain. Applied Organometallic Chemistry, 1995, 9, 51-64.	3.5	37
80	Ultrasonic treatment of molluscan tissue for organotin speciation. Analyst, The, 1995, 120, 1171.	3.5	47
81	Use of cartridges for speciation of organotin compounds in environmental samples. Applied Organometallic Chemistry, 1994, 8, 553-561.	3.5	16