Abelardo GÃ³mez-Parra

List of Publications by Year
in descending order

65 papers	2,337 citations	172386 29 h-index	214721 47 g-index
65 all docs	65 docs citations	65 times ranked	1961 citing authors

#	Article	IF	Citations
1	Monitoring Long-Chain Intermediate Products from the Degradation of Linear Alkylbenzene Sulfonates in the Marine Environment by Solid-Phase Extraction Followed by Liquid Chromatography/Ionspray Mass Spectrometry. Environmental Science & Technology, 1997, 31, 504-510.	4.6	114
2	Influence of the AznalcÃ³llar mining spill on the vertical distribution of heavy metals in sediments from the Guadalquivir estuary (SW Spain). Marine Pollution Bulletin, 2002, 44, 39-47.	2.3	105
3	THE INFLUENCE OF pH AND SALINITY ON THE TOXICITY OF HEAVY METALS IN SEDIMENT TO THE ESTUARINE CLAM RUDITAPES PHILIPPINARUM. Environmental Toxicology and Chemistry, 2004, 23, 1100.	2.2	97
4	Seasonal study of dissolved CH4, CO2 and N2O in a shallow tidal system of the bay of CÃ¡diz (SW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	94
5	Heavy metal fluxes at the sedimentâ€“water interface of three coastal ecosystems from south-west of the Iberian Peninsula. Science of the Total Environment, 2000, 247, 189-199.	3.9	85
6	Determining contamination sources in marine sediments using multivariate analysis. TrAC - Trends in Analytical Chemistry, 1998, 17, 181-192.	5.8	84
7	Fate and Distribution of Linear Alkylbenzene Sulfonates in the Littoral Environment. Environmental Science & Technology, 1998, 32, 1636-1641.	4.6	83
8	Development of a method for the simultaneous analysis of anionic and non-ionic surfactants and their carboxylated metabolites in environmental samples by mixed-mode liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2006, 1137, 188-197.	1.8	81
9	Sources, transport and reactivity of anionic and non-ionic surfactants in several aquatic ecosystems in SW Spain: A comparative study. Environmental Pollution, 2008, 156, 36-45.	3.7	79
10	Simultaneous extraction and determination of anionic surfactants in waters and sediments. Journal of Chromatography A, 2006, 1114, 205-210.	1.8	77
11	Integrative assessment of sediment quality in two littoral ecosystems from the Gulf of CÃ¡diz, Spain. Environmental Toxicology and Chemistry, 1998, 17, 1073-1084.	2.2	73
12	Spatial and Seasonal Variation of In Situ Benthic Fluxes in the Bay of Cadiz (South-west Spain). Estuarine, Coastal and Shelf Science, 1994, 39, 127-141.	0.9	69
13	Early Contamination by Heavy Metals of the Guadalquivir Estuary After the AznalcÃ³llar Mining Spill (SW Spain). Marine Pollution Bulletin, 2000, 40, 1115-1123.	2.3	69
14	Sediment quality in littoral regions of the Gulf of CÃ¡diz: a triad approach to address the influence of mining activities. Environmental Pollution, 2004, 132, 341-353.	3.7	68
15	Anaerobic Degradation Pathway of Linear Alkylbenzene Sulfonates (LAS) in Sulfate-Reducing Marine Sediments. Environmental Science & Technology, 2010, 44, 1670-1676.	4.6	63
16	Inorganic carbon dynamic and airâ€“water CO2 exchange in the Guadalquivir Estuary (SW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	57
17	Handling of marine and estuarine samples for the determination of linear alkylbenzene sulfonates and sulfophenylcarboxylic acids. Journal of Chromatography A, 2000, 889, 211-219.	1.8	53
18	Seasonality of contamination, toxicity, and quality values in sediments from littoral ecosystems in the Gulf of CÃ¡diz (SW Spain). Chemosphere, 2002, 46, 1033-1043.	4.2	50

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19	Anaerobic Degradation of Linear Alkylbenzene Sulfonates in Coastal Marine Sediments. Environmental Science & Technology, 2007, 41, 3573-3579.	4.6	49
20	Sorption of linear alkylbenzenesulfonates (LAS) on marine sediment. Marine Chemistry, 1996, 54, 171-177.	0.9	47
21	Benthic fluxes of inorganic carbon in shallow coastal ecosystems of the Iberian Peninsula. Marine Chemistry, 2004, 85, 141-156.	0.9	45
22	Biodegradation of Linear Alkylbenzene Sulfonates and Their Degradation Intermediates in Seawater. Environmental Science & Technology, 2004, 38, 2359-2367.	4.6	45
23	Evaluation of Heavy Metal Sediment Toxicity in Littoral Ecosystems Using Juveniles of the FishSparus aurata. Ecotoxicology and Environmental Safety, 1998, 41, 157-167.	2.9	43
24	Airâ€“sea CO2 fluxes in the north-eastern shelf of the Gulf of CÃ¡diz (southwest Iberian Peninsula). Marine Chemistry, 2011, 123, 56-66.	0.9	42
25	Fluxes of dissolved inorganic carbon in three estuarine systems of the Cantabrian Sea (north of) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.9	39
26	Reactivity and fate of synthetic surfactants in aquatic environments. TrAC - Trends in Analytical Chemistry, 2008, 27, 684-695.	5.8	37
27	Evaluating the heavy metal contamination in sediments from the guadalquivir estuary after the AznalcÃ³llar mining spill (SW Spain): a multivariate analysis approach. Environmental Monitoring and Assessment, 2002, 77, 191-207.	1.3	36
28	Determination of parts per trillion level of carboxylic degradation products of linear alkylbenzenesulfonates in coastal water by solid-phase extraction followed by liquid chromatography/ionspray/mass spectrometry using negative ion detection. Chromatographia, 1999, 50, 275-281.	0.7	32
29	DETERMINATION AND DISTRIBUTION OF ALKYL ETHOXYSULFATES AND LINEAR ALKYLBENZENE SULFONATES IN COASTAL MARINE SEDIMENTS FROM THE BAY OF CADIZ (SOUTHWEST OF SPAIN). Environmental Toxicology and Chemistry, 2005, 24, 2196.	2.2	29
30	Comparative ecotoxicity of interstitial waters in littoral ecosystems using MicrotoxÂ® and the rotifer‹i›Brachionus plicatilis‹/i›. Environmental Toxicology and Chemistry, 1997, 16, 2323-2332.	2.2	28
31	Primary biodegradation kinetics of anionic surfactants in marine environment. Bulletin of Environmental Contamination and Toxicology, 1987, 39, 385-392.	1.3	26
32	Vertical distribution profiles of linear alkylbenzene sulfonates and their longâ€chain intermediate degradation products in coastal marine sediments. Environmental Toxicology and Chemistry, 2001, 20, 2171-2178.	2.2	26
33	Tidal-to-seasonal variability in the parameters of the carbonate system in a shallow tidal creek influenced by anthropogenic inputs, Rio San Pedro (SW Iberian Peninsula). Continental Shelf Research, 2008, 28, 1394-1404.	0.9	24
34	Comparative Toxicity of Contaminated Sediment from a Mining Spill Using Two Amphipods Species: Corophium volutator (Pallas, 1776) and Ampelisca brevicornis (A. Costa, 1853). Bulletin of Environmental Contamination and Toxicology, 2003, 71, 1061-1068.	1.3	22
35	COMPARATIVE ECOTOXICITY OF INTERSTITIAL WATERS IN LITTORAL ECOSYSTEMS USING MICROTOXÂ® AND THE ROTIFER BRACHIONUS PLICATILIS. Environmental Toxicology and Chemistry, 1997, 16, 2323.	2.2	21
36	Monitoring the Primary Biodegradation of Linear Alkylbenzene Sulfonates and Their Coproducts in Anoxic Sediments Using Liquid Chromatographyâ^'Mass Spectrometry. Environmental Science & Technology, 2007, 41, 3580-3586.	4.6	20

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37	Spatio-temporal variability of the dissolved organic carbon and nitrogen in a coastal area affected by river input: The north eastern shelf of the Gulf of CÃ¡diz (SW Iberian Peninsula). Marine Chemistry, 2011, 126, 295-308.	0.9	20
38	Tidal and seasonal carbon and nutrient dynamics of the Guadalquivir estuary and the Bay of CÃ¡diz (SW) Tj ETQq0 0 0 rgBT /Overlock 10	1.3	19
39	Extraction and isolation of linear alkylbenzene sulfonates and their intermediate metabolites from various marine organisms. Journal of Chromatography A, 2000, 889, 99-104.	1.8	18
40	Linear Alkylbenzene Sulfonates and Intermediate Products from their Degradation are not Estrogenic. Marine Pollution Bulletin, 1999, 38, 880-884.	2.3	17
41	New extraction method for the analysis of linear alkylbenzene sulfonates in marine organisms. Journal of Chromatography A, 2004, 1052, 33-38.	1.8	17
42	SPECIATION OF HEAVY METALS IN RECENT SEDIMENTS OF THREE COASTAL ECOSYSTEMS IN THE GULF OF CÃDIZ, SOUTHWEST IBERIAN PENINSULA. Environmental Toxicology and Chemistry, 2003, 22, 2833.	2.2	16
43	Pressurized liquid extraction followed by liquid chromatography-mass spectrometry for the determination of major surfactants in marine sediments. International Journal of Environmental Analytical Chemistry, 2005, 85, 293-303.	1.8	16
44	Variability of the partial pressure of CO2 on a daily-to-seasonal time scale in a shallow coastal system affected by intensive aquaculture activities (Bay of Cadiz, SW Iberian Peninsula). Marine Chemistry, 2008, 110, 195-204.	0.9	15
45	Tidal-induced inorganic carbon dynamics in the Strait of Gibraltar. Continental Shelf Research, 2008, 28, 1827-1837.	0.9	15
46	Seasonal variability of surface fCO2 in the Strait of Gibraltar. Aquatic Sciences, 2009, 71, 55-64.	0.6	15
47	The behaviour of heavy metals from the Guadalquivir estuary after the AznalcÃ³llar mining spill: field and laboratory surveys. Environmental Monitoring and Assessment, 2003, 83, 71-88.	1.3	14
48	Presence, biotransformation and effects of sulfophenylcarboxylic acids in the benthic fish Solea senegalensis. Environment International, 2007, 33, 565-570.	4.8	14
49	Biological Adverse Effects on Bivalves Associated with Trace Metals Under Estuarine Environments. Environmental Monitoring and Assessment, 2007, 131, 27-35.	1.3	13
50	Monitoring the Impact of the AznalcÃ³llar Mining Spill on Recent Sediments from the Guadalquivir Estuary, Southwest Spain. Bulletin of Environmental Contamination and Toxicology, 2002, 69, 129-138.	1.3	11
51	EXPERIMENTAL DETERMINATION OF BIOCONCENTRATION, BIOTRANSFORMATION, AND ELIMINATION OF LINEAR ALKYLBENZENE SULFONATES IN SOLEA SENEGALENSIS. Environmental Toxicology and Chemistry, 2007, 26, 2579.	2.2	11
52	Benthic fluxes of dissolved inorganic carbon in the Tintoâ€“Odiel system (SW of Spain). Continental Shelf Research, 2008, 28, 458-469.	0.9	11
53	Using a laboratory simulator in the teaching and study of chemical processes in estuarine systems. Computers and Education, 2004, 43, 81-90.	5.1	10
54	Determination of sulfophenylcarboxylic acids in marine samples by solid-phase extraction then high-performance liquid chromatography. Fresenius' Journal of Analytical Chemistry, 2001, 371, 479-485.	1.5	9

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55	Bioconcentration of linear alkylbenzene sulfonates and their degradation intermediates in marine algae. Fresenius' Journal of Analytical Chemistry, 2001, 371, 486-490.	1.5	9
56	Seasonal distribution of the inorganic carbon system and net ecosystem production in the north eastern shelf of the Gulf of CÃ¡diz (Southwest Iberian Peninsula). Continental Shelf Research, 2011, 31, 1931-1942.	0.9	9
57	Seasonal changes in the concentration of anionic surfactants in estuarine sediments from the River Guadalete (Cadiz, Spain). Scientia Marina, 2010, 74, 125-131.	0.3	9
58	Identifying the processes involved in the hydrochemistry and environmental quality of a littoral system (Bay of Cadiz, Spain): a case study using factor analysis. TrAC - Trends in Analytical Chemistry, 1998, 17, 58-69.	5.8	7
59	Simulating a heavy metal spill under estuarine conditions: Effects on the clam Scrobicularia plana. Marine Environmental Research, 2004, 58, 671-674.	1.1	6
60	Assessing the geochemical reactivity of inorganic phosphorus along estuaries by means of laboratory simulation experiments. Hydrological Processes, 2006, 20, 3555-3566.	1.1	6
61	Influence of the molecular structure and exposure concentration on the uptake and elimination kinetics, bioconcentration, and biotransformation of anionic and nonionic surfactants. Environmental Toxicology and Chemistry, 2010, 29, 1727-1734.	2.2	4
62	Picophytoplankton and carbon cycle on the northeastern shelf of the Gulf of CÃ¡diz (SW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.3	4
63	Accumulation of phosphorus in coastal marine sediments: relationship to benthic and diffusive fluxes. Scientia Marina, 2010, 74, 115-124.	0.3	4
64	Characterization of atmosphereâ€“water exchange processes of CO2 in estuaries using dynamic simulation. Journal of Marine Systems, 2005, 58, 98-106.	0.9	3
65	Aragonite saturation state in a continental shelf (Gulf of CÃ¡diz, SW Iberian Peninsula): Evidences of acidification in the coastal area. Science of the Total Environment, 2021, 787, 147858.	3.9	3