Adriano A Bordalo

List of Publications by Year
in descending order

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105 papers	3,593 citations	126708 33 h-index	155451 55 g-index
107 all docs	107 docs citations	107 times ranked	3957 citing authors

#	Article	IF	Citations
1	Macrobenthic community in the Douro estuary: relations with trace metals and natural sediment characteristics. Environmental Pollution, 2003, 121, 169-180.	3.7	288
2	A Water Quality Index Applied to an International Shared River Basin: The Case of the Douro River. Environmental Management, 2006, 38, 910-920.	1.2	187
3	Water quality and uses of the Bangpakong River (Eastern Thailand). Water Research, 2001, 35, 3635-3642.	5.3	175
4	Effect of salinity and inorganic nitrogen concentrations on nitrification and denitrification rates in intertidal sediments and rocky biofilms of the Douro River estuary, Portugal. Water Research, 2005, 39, 1783-1794.	5.3	169
5	Impact of copper on the diversity, abundance and transcription of nitrite and nitrous oxide reductase genes in an urban European estuary. FEMS Microbiology Ecology, 2011, 77, 274-284.	1.3	92
6	Temporal and spatial distributions of larval fish assemblages in the Lima estuary (Portugal). Estuarine, Coastal and Shelf Science, 2006, 66, 303-314.	0.9	90
7	Exudation of organic acids by a marsh plant and implications on trace metal availability in the rhizosphere of estuarine sediments. Estuarine, Coastal and Shelf Science, 2005, 65, 191-198.	0.9	84
8	The Douro estuary (Portugal): a mesotidal salt wedge. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2000, 23, 585-594.	0.7	82
9	Survival of faecal indicator bacteria in tropical estuarine waters (Bangpakong River, Thailand). Journal of Applied Microbiology, 2002, 93, 864-871.	1.4	72
10	Impact of trace metals on denitrification in estuarine sediments of the Douro River estuary, Portugal. Marine Chemistry, 2007, 107, 332-341.	0.9	71
11	The quest for safe drinking water: An example from Guinea-Bissau (West Africa). Water Research, 2007, 41, 2978-2986.	5.3	68
12	Can PAHs influence Cu accumulation by salt marsh plants?. Marine Environmental Research, 2008, 66, 311-318.	1.1	68
13	Vertical distribution of the macrobenthic community and its relationships to trace metals and natural sediment characteristics in the lower Douro estuary, Portugal. Estuarine, Coastal and Shelf Science, 2004, 59, 663-673.	0.9	64
14	Bacterial community response to petroleum contamination and nutrient addition in sediments from a temperate salt marsh. Science of the Total Environment, 2013, 458-460, 568-576.	3.9	63
15	Influence of river discharge patterns on the hydrodynamics and potential contaminant dispersion in the Douro estuary (Portugal). Water Research, 2010, 44, 3133-3146.	5.3	61
16	Persistent and emerging pollutants assessment on aquaculture oysters (Crassostrea gigas) from NW Portuguese coast (Ria De Aveiro). Science of the Total Environment, 2019, 666, 731-742.	3.9	59
17	Spatial and seasonal variations of the macrobenthic community and metal contamination in the Douro estuary (Portugal). Marine Environmental Research, 2005, 60, 531-550.	1.1	53
18	Understanding spatial and temporal dynamics of key environmental characteristics in a mesotidal Atlantic estuary (Douro, NW Portugal). Estuarine, Coastal and Shelf Science, 2008, 76, 620-633.	0.9	52

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19	Temporal variability in the abundance of ammonia- oxidizing bacteria vs. archaea in sandy sediments of the Douro River estuary, Portugal. Aquatic Microbial Ecology, 2009, 56, 13-23.	0.9	49
20	Pelagic metabolism of the Douro estuary (Portugal) â€“ Factors controlling primary production. Estuarine, Coastal and Shelf Science, 2006, 69, 133-146.	0.9	48
21	Recruitment of flatfish species to an estuarine nursery habitat (Lima estuary, NW Iberian Peninsula). Journal of Sea Research, 2010, 64, 473-486.	0.6	48
22	Temporal and spatial patterns of intertidal sediment-water nutrient and oxygen fluxes in the Douro River estuary, Portugal. Marine Ecology - Progress Series, 2002, 233, 55-71.	0.9	46
23	Environmental forcing and larval fish assemblage dynamics in the Lima River estuary (northwest) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	46
24	Crenarchaeota and Euryarchaeota in temperate estuarine sediments. Journal of Applied Microbiology, 2001, 90, 713-718.	1.4	44
25	Early life stages of fishes as indicators of estuarine ecosystem health. Ecological Indicators, 2012, 19, 172-183.	2.6	44
26	Prevalence of antibiotic resistance in bacteria isolated from drinking well water available in Guinea-Bissau (West Africa). Ecotoxicology and Environmental Safety, 2014, 106, 188-194.	2.9	44
27	Defining phytoplankton class boundaries in Portuguese transitional waters: An evaluation of the ecological quality status according to the Water Framework Directive. Ecological Indicators, 2012, 19, 5-14.	2.6	43
28	LMWOA (low molecular weight organic acid) exudation by salt marsh plants: Natural variation and response to Cu contamination. Estuarine, Coastal and Shelf Science, 2010, 88, 63-70.	0.9	41
29	Potential rates and environmental controls of denitrification and nitrous oxide production in a temperate urbanized estuary. Marine Environmental Research, 2010, 70, 336-342.	1.1	40
30	Potential rates and environmental controls of anaerobic ammonium oxidation in estuarine sediments. Aquatic Microbial Ecology, 2012, 66, 23-32.	0.9	38
31	Influence of surfactants on the Cu phytoremediation potential of a salt marsh plant. Chemosphere, 2009, 75, 135-140.	4.2	36
32	Salt marsh plants (Juncus maritimus and Scirpus maritimus) as sources of strong complexing ligands. Estuarine, Coastal and Shelf Science, 2008, 77, 104-112.	0.9	34
33	Influence of a salt marsh plant (Halimione portulacoides) on the concentrations and potential mobility of metals in sediments. Science of the Total Environment, 2008, 403, 188-195.	3.9	34
34	Development of a flow method for the determination of phosphate in estuarine and freshwatersâ€”Comparison of flow cells in spectrophotometric sequential injection analysis. Analytica Chimica Acta, 2011, 701, 15-22.	2.6	34
35	Potential of bioremediation for buried oil removal in beaches after an oil spill. Marine Pollution Bulletin, 2013, 76, 258-265.	2.3	34
36	Sediment quality in the Douro river estuary based on trace metal contents, macrobenthic community and elutriate sediment toxicity test (ESTT). Journal of Environmental Monitoring, 2004, 6, 585.	2.1	33

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37	Spatial variability of phytoplankton, bacteria and viruses in the mesotidal salt wedge Douro Estuary (Portugal). Estuarine, Coastal and Shelf Science, 2005, 63, 143-154.	0.9	33
38	Influence of freshwater inflow variability on the Douro estuary primary productivity: A modelling study. Ecological Modelling, 2014, 272, 1-15.	1.2	33
39	Immigration and early life stages recruitment of the European flounder (Platichthys flesus) to an estuarine nursery: The influence of environmental factors. Journal of Sea Research, 2016, 107, 56-66.	0.6	33
40	Potential of the microbial community present in an unimpacted beach sediment to remediate petroleum hydrocarbons. Environmental Science and Pollution Research, 2013, 20, 3176-3184.	2.7	32
41	Development of a sequential injection gas diffusion system for the determination of ammonium in transitional and coastal waters. Analytical Methods, 2011, 3, 2049.	1.3	31
42	Development of autochthonous microbial consortia for enhanced phytoremediation of salt-marsh sediments contaminated with cadmium. Science of the Total Environment, 2014, 493, 757-765.	3.9	31
43	Microbiological water quality in urban coastal beaches: the influence of water dynamics and optimization of the sampling strategy. Water Research, 2003, 37, 3233-3241.	5.3	30
44	Inorganic nitrogen dynamics in intertidal rocky biofilms and sediments of the Douro River estuary (Portugal). Estuaries and Coasts, 2005, 28, 592-607.	1.7	30
45	Hydrocarbon degradation potential of salt marsh plantâ€“microorganisms associations. Biodegradation, 2011, 22, 729-739.	1.5	30
46	Habitat loss and gain: Influence on habitat attractiveness for estuarine fish communities. Estuarine, Coastal and Shelf Science, 2017, 197, 244-257.	0.9	29
47	Intertidal biofilms on rocky substratum can play a major role in estuarine carbon and nutrient dynamics. Marine Ecology - Progress Series, 2003, 258, 275-281.	0.9	29
48	Development of a sequential injection system for the determination of nitrite and nitrate in waters with different salinity: Application to estuaries in NW Portugal. Analytical Methods, 2009, 1, 195.	1.3	27
49	Evaluation of the ecological status of an impaired watershed by using a multi-index approach. Environmental Monitoring and Assessment, 2011, 174, 493-508.	1.3	27
50	Biodegradation of petroleum hydrocarbons in estuarine sediments: metal influence. Biodegradation, 2013, 24, 111-123.	1.5	27
51	Potential of phytoremediation for the removal of petroleum hydrocarbons in contaminated salt marsh sediments. Journal of Environmental Management, 2014, 137, 10-15.	3.8	27
52	The role of salinity in shaping dissolved inorganic nitrogen and N2O dynamics in estuarine sedimentâ€“water interface. Marine Pollution Bulletin, 2013, 66, 225-229.	2.3	26
53	Comparison of the response of three microalgae species exposed to elutriates of estuarine sediments based on growth and chemical speciation. Environmental Toxicology and Chemistry, 2003, 22, 576-585.	2.2	25
54	Response of a salt marsh microbial community to metal contamination. Estuarine, Coastal and Shelf Science, 2013, 130, 81-88.	0.9	25

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55	Detection and Quantification of Vibrio cholerae, Vibrio parahaemolyticus, and Vibrio vulnificus in Coastal Waters of Guinea-Bissau (West Africa). EcoHealth, 2016, 13, 339-349.	0.9	25
56	Dynamic habitat use of an estuarine nursery seascape: Ontogenetic shifts in habitat suitability of the European flounder (Platichthys flesus). Journal of Experimental Marine Biology and Ecology, 2018, 506, 49-60.	0.7	25
57	Salt marsh plantâ€“microorganism interaction in the presence of mixed contamination. International Biodeterioration and Biodegradation, 2011, 65, 326-333.	1.9	23
58	Isolation and characterization of two new methanesulfonic acid-degrading bacterial isolates from a Portuguese soil sample. Archives of Microbiology, 2000, 173, 146-153.	1.0	22
59	Environmental control on early life stages of flatfishes in the Lima Estuary (NW Portugal). Estuarine, Coastal and Shelf Science, 2009, 83, 252-264.	0.9	21
60	Response of anaerobic ammonium oxidation to inorganic nitrogen fluctuations in temperate estuarine sediments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1829-1839.	1.3	21
61	Study of the influence of different organic pollutants on Cu accumulation by Halimione portulacoides. Estuarine, Coastal and Shelf Science, 2009, 85, 627-632.	0.9	20
62	Influence of natural rhizosediments characteristics on hydrocarbons degradation potential of microorganisms associated to Juncus maritimus roots. International Biodeterioration and Biodegradation, 2013, 84, 86-96.	1.9	20
63	Development of a robust, fast screening method for the potentiometric determination of iodide in urine and salt samples. Talanta, 2017, 167, 688-694.	2.9	20
64	Composition and activity of beta-Proteobacteria ammonia-oxidizing communities associated with intertidal rocky biofilms and sediments of the Douro River estuary, Portugal. Journal of Applied Microbiology, 2007, 103, 1239-1250.	1.4	18
65	The contribution of anaerobic ammonium oxidation to nitrogen loss in two temperate eutrophic estuaries. Estuarine, Coastal and Shelf Science, 2014, 143, 41-47.	0.9	18
66	Applicability of ecological assessment tools for management decision-making: A case study from the Lima estuary (NW Portugal). Ocean and Coastal Management, 2013, 72, 54-63.	2.0	17
67	Bioremediation potential of microorganisms from a sandy beach affected by a major oil spill. Environmental Science and Pollution Research, 2014, 21, 3634-3645.	2.7	15
68	Relevance of temporal and spatial variability for monitoring the microbiological water quality in an urban bathing area. Ocean and Coastal Management, 2014, 91, 41-49.	2.0	14
69	New insights into the early life ecology of Sardina pilchardus (Walbaum, 1792) in the northern Iberian Atlantic. Scientia Marina, 2009, 73, 449-459.	0.3	14
70	Microbial communities within saltmarsh sediments: Composition, abundance and pollution constraints. Estuarine, Coastal and Shelf Science, 2012, 99, 145-152.	0.9	13
71	INFLUENCE OF DIFFERENT SALT MARSH PLANTS ON HYDROCARBON DEGRADING MICROORGANISMS ABUNDANCE THROUGHOUT A PHENOLOGICAL CYCLE. International Journal of Phytoremediation, 2013, 15, 715-728.	1.7	13
72	Dissolved organic carbon and nitrogen dynamics in the Douro River estuary, Portugal. Ciencias Marinas, 2008, 34, .	0.4	13

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73	Schistosoma haematobium in Guinea-Bissau: unacknowledged morbidity due to a particularly neglected parasite in a particularly neglected country. Parasitology Research, 2016, 115, 1567-1572.	0.6	12
74	A greener alternative for inline nitrate reduction in the sequential injection determination of NO_x in natural waters: replacement of cadmium reduction by UV radiation. Analytical Methods, 2017, 9, 1876-1884.	1.3	12
75	Monitoring glucose, calcium, and magnesium levels in saliva as a non-invasive analysis by sequential injection multi-parametric determination. Talanta, 2018, 186, 192-199.	2.9	12
76	Water bags as a potential vehicle for transmitting disease in a West African capital, Bissau. International Health, 2015, 7, 42-48.	0.8	11
77	Iodine speciation in coastal and inland bathing waters and seaweeds extracts using a sequential injection standard addition flow-batch method. Talanta, 2015, 133, 7-14.	2.9	11
78	Improvement of the Sandell-Kolthoff reaction method (ammonium persulfate digestion) for the determination of iodine in urine samples. Clinical Chemistry and Laboratory Medicine, 2017, 55, e206-e208.	1.4	11
79	Sequential injection methodology for carbon speciation in bathing waters. Analytica Chimica Acta, 2013, 778, 38-47.	2.6	10
80	Salt marsh sediment characteristics as key regulators on the efficiency of hydrocarbons bioremediation by Juncus maritimus rhizospheric bacterial community. Environmental Science and Pollution Research, 2015, 22, 450-462.	2.7	10
81	Faecal coliform recovery in two standard media along an estuarine gradient. Water Research, 1994, 28, 2331-2334.	5.3	9
82	Feeding ecology of juvenile flounder Platichthys flesus in an estuarine nursery habitat: Influence of preyâ€“predator interactions. Journal of Experimental Marine Biology and Ecology, 2014, 461, 458-468.	0.7	9
83	Analysis of the bacterial community composition in acidic well water used for drinking in Guinea-Bissau, West Africa. Journal of Environmental Sciences, 2014, 26, 1605-1614.	3.2	9
84	Screening of sulfonamides in waters based on miniaturized solid phase extraction and microplate spectrophotometric detection. Analytical Methods, 2018, 10, 690-696.	1.3	9
85	Sequential injection system exploring the standard addition method for phosphate determination in high salinity samples: interstitial, transitional and coastal waters. Analytical Methods, 2012, 4, 1452.	1.3	8
86	Estrogen Metabolism-Associated CYP2D6 and IL6-174G/C Polymorphisms in Schistosoma haematobium Infection. International Journal of Molecular Sciences, 2017, 18, 2560.	1.8	7
87	Can non-fortified marine salt cover human needs for iodine?. International Journal of Food Sciences and Nutrition, 2019, 70, 349-354.	1.3	7
88	Temporal and spatial variability of phytoplankton photosynthetic characteristics in a southern European estuary (Douro, Portugal). Marine Ecology - Progress Series, 2010, 412, 29-44.	0.9	7
89	Use of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systems. Talanta, 2012, 98, 203-210.	2.9	6
90	Seasonal monitoring of inland bathing waters using a sequential injection method as a fast and effective tool for nutrient quantification (Nâ€‰:â€‰P). Analytical Methods, 2016, 8, 1973-1980.	1.3	6

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91	Screening of fluoroquinolones in environmental waters using disk-based solid-phase extraction combined to microplate fluorimetric determination and LC-MS/MS. International Journal of Environmental Analytical Chemistry, 2019, 99, 258-269.	1.8	6
92	Endemic goiter and iodine deficiency status among Guinea-Bissau school-age children. European Journal of Clinical Nutrition, 2018, 72, 1576-1582.	1.3	4
93	River water analysis using a multiparametric approach: Portuguese river as a case study. Journal of Water and Health, 2018, 16, 991-1006.	1.1	4
94	The COVID-19 as a Driver for Alternative Trade Networks in the Small-Scale Fisheries: Portugal as a Case Study. Sustainability, 2022, 14, 6405.	1.6	4
95	Nutrient variability and its influence on nitrogen processes in a highly turbid tropical estuary (Bangpakong, Gulf of Thailand). Journal of Environmental Sciences, 2016, 45, 131-142.	3.2	3
96	Coupling between Hydrodynamics and Chlorophyll a and Bacteria in a Temperate Estuary: A Box Model Approach. Water (Switzerland), 2019, 11, 588.	1.2	3
97	Development of a Screening Method for Sulfamethoxazole in Environmental Water by Digital Colorimetry Using a Mobile Device. Chemosensors, 2022, 10, 25.	1.8	3
98	Spatial and Seasonal Drinking Water Quality Assessment in a Sub-Saharan Country (Guinea-Bissau). Water (Switzerland), 2022, 14, 1987.	1.2	3
99	Urban Estuarine Beaches and Urban Water Cycle Seepage: The Influence of Temporal Scales. Water (Switzerland), 2018, 10, 173.	1.2	2
100	A Robust Flow-Based System for the Spectrophotometric Determination of Cr(VI) in Recreational Waters. Molecules, 2022, 27, 2073.	1.7	2
101	Spatial-temporal dynamics of N-cycle functional genes in a temperate Atlantic estuary (Douro,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	1
102	Replying to Domingues et al., Ecological Indicators, 24, 245â€“255, http://dx.doi.org/10.1016/j.ecolind.2012.06.020. Ecological Indicators, 2013, 27, 123-124.	2.6	0
103	Corrigendum to â€œUse of solid phase extraction for the sequential injection determination of alkaline phosphatase activity in dynamic water systemsâ€•[Talanta 98 (2012) 203â€“210]. Talanta, 2016, 146, 857.	2.9	0
104	Major Stressors Favoring Cholera Trigger and Dissemination in Guinea-Bissau (West Africa). International Journal of Environmental Research and Public Health, 2021, 18, 11296.	1.2	0
105	Sustainability of the Portuguese North-Western Fishing Activity in the Face of the Recently Implemented Maritime Spatial Planning. Sustainability, 2022, 14, 1266.	1.6	0