Cesar C Martins

List of Publications by Year
in descending order

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111 papers	3,344 citations	117453 34 h-index	174990 52 g-index
111 all docs	111 docs citations	111 times ranked	2676 citing authors

#	Article	IF	Citations
1	Evolution of the Late Miocene Mediterraneanâ€“Atlantic gateways and their impact on regional and global environmental change. Earth-Science Reviews, 2015, 150, 365-392.	4.0	171
2	Assessment of contamination by polychlorinated biphenyls and aliphatic and aromatic hydrocarbons in sediments of the Santos and SÃ£o Vicente Estuary System, SÃ£o Paulo, Brazil. Marine Pollution Bulletin, 2006, 52, 1804-1816.	2.3	133
3	Testing the applicability of a Marine Biotic Index (AMBI) to assessing the ecological quality of soft-bottom benthic communities, in the South America Atlantic region. Marine Pollution Bulletin, 2005, 50, 624-637.	2.3	131
4	Historical record of polycyclic aromatic hydrocarbons (PAHs) and spheroidal carbonaceous particles (SCPs) in marine sediment cores from Admiralty Bay, King George Island, Antarctica. Environmental Pollution, 2010, 158, 192-200.	3.7	111
5	Polycyclic aromatic hydrocarbons (PAHs) in a large South American industrial coastal area (Santos) Tj ETQq1 1 0.784314 rgBT /Overlo 452-458.	2.3	98
6	Aliphatic and polycyclic aromatic hydrocarbons in surface sediments in Admiralty Bay, King George Island, Antarctica. Antarctic Science, 2004, 16, 117-122.	0.5	89
7	Sedimentary biomarkers along a contamination gradient in a human-impacted sub-estuary in Southern Brazil: A multi-parameter approach based on spatial and seasonal variability. Chemosphere, 2014, 103, 156-163.	4.2	78
8	An integrated evaluation of molecular marker indices and linear alkylbenzenes (LABs) to measure sewage input in a subtropical estuary (Babitonga Bay, Brazil). Environmental Pollution, 2014, 188, 71-80.	3.7	78
9	Natural and anthropogenic sterols inputs in surface sediments of Patos Lagoon, Brazil. Journal of the Brazilian Chemical Society, 2007, 18, 106-115.	0.6	70
10	Anthropogenic organic matter inputs indicated by sedimentary fecal steroids in a large South American tropical estuary (ParanaguÃ¡ estuarine system, Brazil). Marine Pollution Bulletin, 2010, 60, 2137-2143.	2.3	68
11	Arsenic and trace metal contents in sediment profiles from the Admiralty Bay, King George Island, Antarctica. Marine Pollution Bulletin, 2011, 62, 192-196.	2.3	66
12	Multi-molecular markers and metals as tracers of organic matter inputs and contamination status from an Environmental Protection Area in the SW Atlantic (Laranjeiras Bay, Brazil). Science of the Total Environment, 2012, 417-418, 158-168.	3.9	64
13	Molecular characterisation of anthropogenic sources of sedimentary organic matter from Potter Cove, King George Island, Antarctica. Science of the Total Environment, 2015, 502, 408-416.	3.9	63
14	Results from a 15-year study on hydrocarbon concentrations in water and sediment from Admiralty Bay, King George Island, Antarctica. Antarctic Science, 2009, 21, 209-220.	0.5	59
15	A multi-molecular marker assessment of organic pollution in shore sediments from the RÃo de la Plata Estuary, SW Atlantic. Marine Pollution Bulletin, 2015, 91, 461-475.	2.3	59
16	Spatial distribution of sedimentary linear alkylbenzenes and faecal steroids of Santos Bay and adjoining continental shelf, SW Atlantic, Brazil: Origin and fate of sewage contamination in the shallow coastal environment. Marine Pollution Bulletin, 2008, 56, 1359-1363.	2.3	56
17	Spatial distribution and historical input of polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in sediments from a subtropical estuary (Guaratuba Bay, SW Atlantic). Marine Pollution Bulletin, 2013, 70, 247-252.	2.3	55
18	Petroleum contamination impact on macrobenthic communities under the influence of an oil refinery: Integrating chemical and biological multivariate data. Estuarine, Coastal and Shelf Science, 2008, 78, 457-467.	0.9	54

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19	Benthic trophic status of sediments in a metropolitan area (Rio de la Plata estuary): Linkages with natural and human pressures. Estuarine, Coastal and Shelf Science, 2012, 112, 139-152.	0.9	52
20	Organic contamination of beached plastic pellets in the South Atlantic: Risk assessments can benefit by considering spatial gradients. Chemosphere, 2019, 223, 608-615.	4.2	51
21	Depositional history of sedimentary linear alkylbenzenes (LABs) in a large South American industrial coastal area (Santos Estuary, Southeastern Brazil). Environmental Pollution, 2010, 158, 3355-3364.	3.7	47
22	Sterols and linear alkylbenzenes in marine sediments from Admiralty Bay, King George Island, South Shetland Islands. Antarctic Science, 2002, 14, 244-252.	0.5	46
23	Macrobenthos and multi-molecular markers as indicators of environmental contamination in a South American port (Mar del Plata, Southwest Atlantic). Marine Pollution Bulletin, 2013, 73, 102-114.	2.3	45
24	Comparison between anthropogenic hydrocarbons and magnetic susceptibility in sediment cores from the Santos Estuary, Brazil. Marine Pollution Bulletin, 2007, 54, 240-246.	2.3	44
25	Sewage organic markers in surface sediments around the Brazilian Antarctic station: Results from the 2009/10 austral summer and historical tendencies. Marine Pollution Bulletin, 2012, 64, 2867-2870.	2.3	42
26	Occurrence of selected estrogens in mangrove sediments. Marine Pollution Bulletin, 2012, 64, 75-79.	2.3	42
27	Mud depocentres on the continental shelf: a neglected sink for anthropogenic contaminants from the coastal zone. Environmental Earth Sciences, 2016, 75, 1.	1.3	42
28	Polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in sediments from an urban- and industrial-impacted subtropical estuary (Babitonga Bay, Brazil). Marine Pollution Bulletin, 2017, 119, 390-395.	2.3	40
29	Distribution of sewage input in marine sediments around a maritime Antarctic research station indicated by molecular geochemical indicators. Science of the Total Environment, 2010, 408, 4665-4671.	3.9	39
30	Effects of an experimental in situ diesel oil spill on the benthic community of unvegetated tidal flats in a subtropical estuary (ParanaguÃ¡ Bay, Brazil). Marine Pollution Bulletin, 2012, 64, 2681-2691.	2.3	39
31	A critical and comparative appraisal of polycyclic aromatic hydrocarbons in sediments and suspended particulate material from a large South American subtropical estuary. Environmental Pollution, 2016, 214, 219-229.	3.7	39
32	Trace metals and organic compounds in the benthic environment of a subtropical embayment (Ubatuba) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	37
33	Input of organic matter in a large south american tropical estuary (ParanaguÃ¡ Estuarine System,) Tj ETQq1 1 0.784314 rgBT /Overloc Chemical Society, 2011, 22, 1585-1594.	0.6	37
34	An integrated evaluation of some faecal indicator bacteria (FIB) and chemical markers as potential tools for monitoring sewage contamination in subtropical estuaries. Environmental Pollution, 2018, 235, 739-749.	3.7	35
35	Characterization of the benthic environment of a coastal area adjacent to an oil refinery, Todos os Santos Bay (NE-Brazil). Brazilian Journal of Oceanography, 2004, 52, 123-134.	0.6	34
36	Historical records and spatial distribution of high hazard PCBs levels in sediments around a large South American industrial coastal area (Santos Estuary, Brazil). Journal of Hazardous Materials, 2018, 360, 428-435.	6.5	34

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37	Multiple biogeochemical indicators of environmental quality in tropical estuaries reveal contrasting conservation opportunities. Ecological Indicators, 2018, 95, 21-31.	2.6	33
38	Polycyclic aromatic hydrocarbons (PAHs) in sediments of the amazon coast: Evidence for localized sources in contrast to massive regional biomass burning. Environmental Pollution, 2021, 268, 115958.	3.7	32
39	Sterols and fecal indicator microorganisms in sediments from Admiralty Bay, Antarctica. Brazilian Journal of Oceanography, 2005, 53, 1-12.	0.6	31
40	Baseline concentrations of faecal sterols and assessment of sewage input into different inlets of Admiralty Bay, King George Island, Antarctica. Marine Pollution Bulletin, 2014, 78, 218-223.	2.3	31
41	Performance of biotic indices in naturally stressed estuarine environments on the Southwestern Atlantic coast (Uruguay): A multiple scale approach. Ecological Indicators, 2012, 19, 89-97.	2.6	30
42	Sources and Temporal Patterns of Polychlorinated Biphenyls Around a Large South American Grain-Shipping Port (ParanaguÃ¡ Estuarine System, Brazil). Archives of Environmental Contamination and Toxicology, 2013, 64, 573-582.	2.1	30
43	Assessing the suitability of five benthic indices for environmental health assessment in a large subtropical South American estuary. Ecological Indicators, 2016, 64, 258-265.	2.6	30
44	Persistent organic pollutants and polycyclic aromatic hydrocarbons in penguins of the genus Pygoscelis in Admiralty Bay â€" An Antarctic specially managed area. Marine Pollution Bulletin, 2016, 106, 377-382.	2.3	30
45	Integrated assessment of contaminants and monitoring of an urbanized temperate harbor (Montevideo, Uruguay): a 12-year comparison. Brazilian Journal of Oceanography, 2015, 63, 311-330.	0.6	29
46	Ecological risk assessment of sedimentary hydrocarbons in a subtropical estuary as tools to select priority areas for environmental management. Journal of Environmental Management, 2018, 223, 417-425.	3.8	28
47	Insights about sources, distribution, and degradation of sewage and biogenic molecular markers in surficial sediments and suspended particulate matter from a human-impacted subtropical estuary. Environmental Pollution, 2018, 241, 1071-1081.	3.7	27
48	137Cs in marine sediments of Admiralty Bay, King George Island, Antarctica. Science of the Total Environment, 2013, 443, 505-510.	3.9	25
49	Antioxidant responses in estuarine invertebrates exposed to repeated oil spills: Effects of frequency and dosage in a field manipulative experiment. Aquatic Toxicology, 2016, 177, 237-249.	1.9	25
50	Effect of seasonal population fluctuation in the temporal and spatial distribution of polycyclic aromatic hydrocarbons in a subtropical estuary. Environmental Technology and Innovation, 2016, 5, 41-51.	3.0	25
51	Alterations of cytochrome P450 and the occurrence of persistent organic pollutants in tilapia caged in the reservoirs of the IguaÃ§u River. Environmental Pollution, 2018, 240, 670-682.	3.7	24
52	Trace metals in sediment cores from Deception and Penguin Islands (South Shetland Islands,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	2.3	23
53	Petroleum biomarkers as tracers of low-level chronic oil contamination of coastal environments: A systematic approach in a subtropical mangrove. Environmental Pollution, 2019, 249, 1060-1070.	3.7	23
54	Sediment quality assessment as potential tool for the management of tropical estuarine protected areas in SW Atlantic, Brazil. Ecological Indicators, 2019, 101, 238-248.	2.6	22

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55	Coupling spectroscopic and chromatographic techniques for evaluation of the depositional history of hydrocarbons in a subtropical estuary. Environmental Pollution, 2015, 205, 403-414.	3.7	21
56	Embryo toxicity assay in the fish species Rhamdia quelen (Teleostei, Heptaridae) to assess water quality in the Upper IguaÃ§u basin (Parana, Brazil). Chemosphere, 2018, 208, 207-218.	4.2	21
57	Tracking the historical sewage input in South American subtropical estuarine systems based on faecal sterols and bulk organic matter stable isotopes (Î´13C and Î´15N). Science of the Total Environment, 2019, 655, 855-864.	3.9	21
58	Sedimentary hydrocarbons and sterols in a South Atlantic estuarine/shallow continental shelf transitional environment under oil terminal and grain port influences. Marine Pollution Bulletin, 2015, 95, 183-194.	2.3	20
59	Spatial and temporal distribution of aliphatic hydrocarbons and linear alkylbenzenes in the particulate phase from a subtropical estuary (Guaratuba Bay, SW Atlantic) under seasonal population fluctuation. Science of the Total Environment, 2015, 536, 750-760.	3.9	19
60	Depositional input of hydrocarbons recorded in sedimentary cores from Deception and Penguin Islands (South Shetland Archipelago, Antarctica). Environmental Pollution, 2019, 253, 981-991.	3.7	19
61	Complex spatial and temporal variation of subtropical benthic macrofauna under sewage impact. Marine Environmental Research, 2016, 116, 61-70.	1.1	18
62	Effects of an in situ diesel oil spill on oxidative stress in the clam Anomalocardia flexuosa. Environmental Pollution, 2017, 230, 891-901.	3.7	18
63	Lake sediment records of persistent organic pollutants and polycyclic aromatic hydrocarbons in southern Siberia mirror the changing fortunes of the Russian economy over the past 70 years. Environmental Pollution, 2018, 242, 528-538.	3.7	18
64	Marcadores orgÃ¢nicos de contaminaÃ§Ã£o por esgotos sanitÃ¡rios em sedimentos superficiais da baÃa de Santos, SÃ£o Paulo. Quimica Nova, 2008, 31, .	0.3	17
65	Using a cesium-137 (137 Cs) sedimentary fallout record in the South Atlantic Ocean as a supporting tool for defining the Anthropocene. Anthropocene, 2016, 14, 34-45.	1.6	17
66	A systematic evaluation of polycyclic aromatic hydrocarbons in South Atlantic subtropical mangrove wetlands under a coastal zone development scenario. Journal of Environmental Management, 2021, 277, 111421.	3.8	17
67	Is the distribution of the lancelet Branchiostoma caribaeum affected by sewage discharges? An analysis at multiple scales of variability. Marine Pollution Bulletin, 2013, 69, 178-188.	2.3	16
68	Depositional history and inventories of polychlorinated biphenyls (PCBs) in sediment cores from an Antarctic Specially Managed Area (Admiralty Bay, King George Island). Marine Pollution Bulletin, 2017, 118, 447-451.	2.3	16
69	Natural archives of long-range transported contamination at the remote lake LetÅ¡eng-la Letsie, Maloti Mountains, Lesotho. Science of the Total Environment, 2020, 737, 139642.	3.9	16
70	Characterization of sources and temporal variation in the organic matter input indicated by n-alkanols and sterols in sediment cores from Admiralty Bay, King George Island, Antarctica. Polar Biology, 2014, 37, 483-496.	0.5	15
71	Hydrocarbons in soil and meltwater stream sediments near Artigas Antarctic Research Station: origin, sources and levels. Antarctic Science, 2018, 30, 170-182.	0.5	15
72	Hydrocarbon and sewage contamination near fringing reefs along the west coast of Havana, Cuba: A multiple sedimentary molecular marker approach. Marine Pollution Bulletin, 2018, 136, 38-49.	2.3	15

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73	Oxidative stress in two tropical species after exposure to diesel oil. Environmental Science and Pollution Research, 2016, 23, 20952-20962.	2.7	14
74	Occurrence of halogenated organic contaminants in estuarine sediments from a biosphere reserve in Southern Atlantic. Marine Pollution Bulletin, 2018, 133, 436-441.	2.3	14
75	One century of historical deposition and flux of hydrocarbons in a sediment core from a South Atlantic RAMSAR subtropical estuary. Science of the Total Environment, 2020, 706, 136017.	3.9	14
76	Micropollutants impair the survival of Oreochromis niloticus and threat local species from IguaÃ§u River, Southern of Brazil. Environmental Toxicology and Pharmacology, 2021, 83, 103596.	2.0	14
77	Low levels of persistent organic pollutants in sediments of the Doce River mouth, South Atlantic, before the FundÃ£o dam failure. Science of the Total Environment, 2022, 802, 149882.	3.9	14
78	Are intertidal soft sediment assemblages affected by repeated oil spill events? A field-based experimental approach. Environmental Pollution, 2016, 213, 151-159.	3.7	13
79	Multi-proxy reconstruction of sea surface and subsurface temperatures in the western South Atlantic over the last â¼475â€¯kyr. Quaternary Science Reviews, 2019, 215, 22-34.	1.4	13
80	Tracking the sources of allochthonous organic matter along a subtropical fluvial-estuarine gradient using molecular proxies in view of land uses. Chemosphere, 2020, 251, 126435.	4.2	13
81	An integrated appraisement of multiple faecal indicator bacteria and sterols in the detection of sewage contamination in subtropical tidal creeks. International Journal of Hygiene and Environmental Health, 2018, 221, 1032-1039.	2.1	12
82	Organic contamination as a driver of structural changes of hydroid's assemblages of the coral reefs near to Havana Harbour, Cuba. Marine Pollution Bulletin, 2018, 133, 568-577.	2.3	12
83	Anthropogenic and natural inputs of polycyclic aromatic hydrocarbons in the sediment of three coastal systems of the Brazilian Amazon. Environmental Science and Pollution Research, 2021, 28, 19485-19496.	2.7	11
84	Multiple lines of evidence of sediment quality in an urban Marine Protected Area (XixovÃ¡-JapuÃ-State) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	10
85	Statistical assessment of background levels for metal contamination from a subtropical estuarine system in the SW Atlantic (ParanaguÃ¡ Estuarine System, Brazil). Journal of Sedimentary Environments, 2020, 5, 137-150.	0.7	10
86	Sources and depositional changes of aliphatic hydrocarbons recorded in sedimentary cores from Admiralty Bay, South Shetland Archipelago, Antarctica during last decades. Science of the Total Environment, 2021, 795, 148881.	3.9	10
87	Distribution and evolution of sterols and aliphatic hydrocarbons in dated marine sediment cores from the Cabo Frio upwelling region, SW Atlantic, Brazil. Environmental Science and Pollution Research, 2017, 24, 19888-19901.	2.7	9
88	Urban effluents affect the early development stages of Brazilian fish species with implications for their population dynamics. Ecotoxicology and Environmental Safety, 2020, 188, 109907.	2.9	9
89	Dissecting the distribution of brittle stars along a sewage pollution gradient indicated by organic markers. Marine Pollution Bulletin, 2015, 100, 438-444.	2.3	8
90	Heavy metals and As in surface sediments of the north coast of the RÃo de la Plata estuary: Spatial variations in pollution status and adverse biological risk. Regional Studies in Marine Science, 2019, 28, 100625.	0.4	7

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91	Environmental Assessment of Admiralty Bay, King George Island, Antarctica. From Pole To Pole, 2013, , 157-175.	0.1	6
92	Vertical distribution patterns of macrofauna in a subtropical nearâ€shore coastal area affected by urban sewage. Marine Ecology, 2013, 34, 233-250.	0.4	6
93	Ardra profiles of bacteria and archaea in mangrove sediments with different levels of contamination in the estuarine complex of ParanaguÃ¡, Brazil. Brazilian Archives of Biology and Technology, 2013, 56, 275-281.	0.5	6
94	Benthic trophic status of aquatic transitional environments with distinct morphological and dynamic characteristics on the south-western Atlantic coast. Marine and Freshwater Research, 2017, 68, 2028.	0.7	6
95	Exposure to pollutants present in IguaÃ§u River Southern Brazil affect the health of Oreochromis niloticus (Linnaeus, 1758): Assessment histological, genotoxic and biochemical. Environmental Toxicology and Pharmacology, 2021, 87, 103682.	2.0	6
96	Depositional history of sedimentary sterols around Penguin Island, Antarctica. Antarctic Science, 2016, 28, 443-454.	0.5	5
97	Sediment quality of a Ramsar site assessed by chemical and ecotoxicological approaches. Regional Studies in Marine Science, 2020, 35, 101145.	0.4	5
98	Biogenic and thermogenic terpenoid hydrocarbons as potential geochemical tools for the study of sedimentary organic matter in subtropical mangrove swamps. Applied Geochemistry, 2020, 122, 104726.	1.4	4
99	Benthic community responses to organic enrichment during an ENSO event (2009â€“2010), in the north coast of Rio de la Plata estuary. Journal of Marine Systems, 2021, 222, 103597.	0.9	4
100	Geochemical mapping in a subtropical estuarine system influenced by large grain-shipping terminals: Insights using Metal/Metal ratios and multivariate analysis. Environmental Earth Sciences, 2020, 79, 1.	1.3	4
101	VALIDATION OF AN ANALYTICAL METHOD FOR GEOCHEMICAL ORGANIC MARKERS DETERMINATION IN MARINE SEDIMENTS. Quimica Nova, 2016, , .	0.3	4
102	RÃo de la Plata: Uruguay. , 2019, , 703-724.		3
103	Sources and distribution of biomarkers in surficial sediments from a polar marine ecosystem (Potter) Tj ETQq1 1 0.784314 rgBT /Over	0.5	2
104	Testing biomarker feasibility: a case study of Laeonereis culveri (Nereididae, Annelida) exposed to sewage contamination in a subtropical estuary. Environmental Science and Pollution Research, 2018, 25, 24181-24191.	2.7	2
105	Cluster analysis for time series based on organic geochemical proxies. Organic Geochemistry, 2020, 145, 104038.	0.9	2
106	Total phosphorus records in coastal Antarctic sediments: Burial and evidence of anthropogenic influence on recent input. Marine Chemistry, 2021, 237, 104037.	0.9	2
107	Organic and inorganic pollutants in JordÃ£o and IguaÃ§u rivers southern Brazil impact early phases of Rhamdia quelen and represent a risk for population. Chemosphere, 2022, 303, 134989.	4.2	2
108	Exploring the application of TEX86 and the sources of organic matter in the Antarctic coastal region. Organic Geochemistry, 2021, 160, 104288.	0.9	1

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109	Environmental Conditions in the Estuarine Coast of Montevideo (Uruguay): Historical Aspects and Present Status: An Update. , 2019, , 408-418.		1
110	Disentangling sources and variation of organic matter in soda lakes from NhecolÃ¢ndia (Pantanal,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2022, 114, 103718.	0.6	1
111	A summary of the paper â€œNatural archives of long-range transported contamination at the remote lake LetÅ¡eng-la Letsie, Maloti Mountains, Lesothoâ€: Clean Air Journal, 2020, 30, .	0.2	0