

Cesar C Martins

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110
papers

2,570
citations

30
h-index

45
g-index

111
ext. papers

2,943
ext. citations

5.9
avg, IF

5.2
L-index

#	Paper	IF	Citations
110	Evolution of the Late Miocene Mediterranean-Atlantic gateways and their impact on regional and global environmental change. <i>Earth-Science Reviews</i> , 2015 , 150, 365-392	10.2	136
109	Assessment of contamination by polychlorinated biphenyls and aliphatic and aromatic hydrocarbons in sediments of the Santos and S Vicente Estuary System, S Paulo, Brazil. <i>Marine Pollution Bulletin</i> , 2006 , 52, 1804-16	6.7	112
108	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. <i>Marine Pollution Bulletin</i> , 2005 , 50, 624-37	6.7	111
107	Historical record of polycyclic aromatic hydrocarbons (PAHs) and spheroidal carbonaceous particles (SCPs) in marine sediment cores from Admiralty Bay, King George Island, Antarctica. <i>Environmental Pollution</i> , 2010 , 158, 192-200	9.3	96
106	Polycyclic aromatic hydrocarbons (PAHs) in a large South American industrial coastal area (Santos Estuary, Southeastern Brazil): sources and depositional history. <i>Marine Pollution Bulletin</i> , 2011 , 63, 452-8	6.7	80
105	Aliphatic and polycyclic aromatic hydrocarbons in surface sediments in Admiralty Bay, King George Island, Antarctica. <i>Antarctic Science</i> , 2004 , 16, 117-122	1.7	79
104	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. <i>Chemosphere</i> , 2014 , 103, 156-63	8.4	68
103	An integrated evaluation of molecular marker indices and linear alkylbenzenes (LABs) to measure sewage input in a subtropical estuary (Babitonga Bay, Brazil). <i>Environmental Pollution</i> , 2014 , 188, 71-80	9.3	62
102	Anthropogenic organic matter inputs indicated by sedimentary fecal steroids in a large South American tropical estuary (Paranagu estuarine system, Brazil). <i>Marine Pollution Bulletin</i> , 2010 , 60, 2137-43	6.7	57
101	Arsenic and trace metal contents in sediment profiles from the Admiralty Bay, King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2011 , 62, 192-6	6.7	56
100	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). <i>Science of the Total Environment</i> , 2012 , 417-418, 158-68	10.2	55
99	Natural and anthropogenic sterols inputs in surface sediments of Patos Lagoon, Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 106-115	1.5	55
98	Molecular characterisation of anthropogenic sources of sedimentary organic matter from Potter Cove, King George Island, Antarctica. <i>Science of the Total Environment</i> , 2015 , 502, 408-16	10.2	52
97	Petroleum contamination impact on macrobenthic communities under the influence of an oil refinery: Integrating chemical and biological multivariate data. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 78, 457-467	2.9	47
96	Benthic trophic status of sediments in a metropolitan area (Rio de la Plata estuary): Linkages with natural and human pressures. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 112, 139-152	2.9	44
95	Results from a 15-year study on hydrocarbon concentrations in water and sediment from Admiralty Bay, King George Island, Antarctica. <i>Antarctic Science</i> , 2009 , 21, 209-220	1.7	44
94	A multi-molecular marker assessment of organic pollution in shore sediments from the R de la Plata Estuary, SW Atlantic. <i>Marine Pollution Bulletin</i> , 2015 , 91, 461-75	6.7	43

93	Spatial distribution and historical input of polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in sediments from a subtropical estuary (Guaratuba Bay, SW Atlantic). <i>Marine Pollution Bulletin</i> , 2013 , 70, 247-52	6.7	43
92	Sterols and linear alkylbenzenes in marine sediments from Admiralty Bay, King George Island, South Shetland Islands. <i>Antarctic Science</i> , 2002 , 14, 244-252	1.7	42
91	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. <i>Marine Pollution Bulletin</i> , 2008 , 56, 1359-63	6.7	40
90	Macrobenthos and multi-molecular markers as indicators of environmental contamination in a South American port (Mar del Plata, Southwest Atlantic). <i>Marine Pollution Bulletin</i> , 2013 , 73, 102-14	6.7	38
89	Depositional history of sedimentary linear alkylbenzenes (LABs) in a large South American industrial coastal area (Santos Estuary, Southeastern Brazil). <i>Environmental Pollution</i> , 2010 , 158, 3355-64	9.3	38
88	Sewage organic markers in surface sediments around the Brazilian Antarctic station: results from the 2009/10 austral summer and historical tendencies. <i>Marine Pollution Bulletin</i> , 2012 , 64, 2867-70	6.7	37
87	Comparison between anthropogenic hydrocarbons and magnetic susceptibility in sediment cores from the Santos Estuary, Brazil. <i>Marine Pollution Bulletin</i> , 2007 , 54, 240-6	6.7	36
86	Distribution of sewage input in marine sediments around a maritime Antarctic research station indicated by molecular geochemical indicators. <i>Science of the Total Environment</i> , 2010 , 408, 4665-71	10.2	35
85	Occurrence of selected estrogens in mangrove sediments. <i>Marine Pollution Bulletin</i> , 2012 , 64, 75-79	6.7	34
84	Input of organic matter in a large south american tropical estuary (Paranaguá Estuarine System, Brazil) indicated by sedimentary sterols and multivariate statistical approach. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1585-1594	1.5	34
83	Polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in sediments from an urban- and industrial-impacted subtropical estuary (Babitonga Bay, Brazil). <i>Marine Pollution Bulletin</i> , 2017 , 119, 390-395	6.7	31
82	Effects of an experimental in situ diesel oil spill on the benthic community of unvegetated tidal flats in a subtropical estuary (Paranaguá Bay, Brazil). <i>Marine Pollution Bulletin</i> , 2012 , 64, 2681-91	6.7	31
81	A critical and comparative appraisal of polycyclic aromatic hydrocarbons in sediments and suspended particulate material from a large South American subtropical estuary. <i>Environmental Pollution</i> , 2016 , 214, 219-229	9.3	31
80	Organic contamination of beached plastic pellets in the South Atlantic: Risk assessments can benefit by considering spatial gradients. <i>Chemosphere</i> , 2019 , 223, 608-615	8.4	30
79	Mud depocentres on the continental shelf: a neglected sink for anthropogenic contaminants from the coastal zone. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	29
78	Sources and temporal patterns of polychlorinated biphenyls around a large South American grain-shipping port (Paranaguá Estuarine System, Brazil). <i>Archives of Environmental Contamination and Toxicology</i> , 2013 , 64, 573-82	3.2	27
77	Trace metals and organic compounds in the benthic environment of a subtropical embayment (Ubatuba Bay, Brazil). <i>Marine Pollution Bulletin</i> , 2006 , 52, 1098-105	6.7	27
76	Multiple biogeochemical indicators of environmental quality in tropical estuaries reveal contrasting conservation opportunities. <i>Ecological Indicators</i> , 2018 , 95, 21-31	5.8	26

75	Baseline concentrations of faecal sterols and assessment of sewage input into different inlets of Admiralty Bay, King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2014 , 78, 218-23	6.7	26
74	Characterization of the benthic environment of a coastal area adjacent to an oil refinery, Todos os Santos Bay (NE-Brazil). <i>Brazilian Journal of Oceanography</i> , 2004 , 52, 123-134	1.8	26
73	Persistent organic pollutants and polycyclic aromatic hydrocarbons in penguins of the genus <i>Pygoscelis</i> in Admiralty Bay - An Antarctic specially managed area. <i>Marine Pollution Bulletin</i> , 2016 , 106, 377-82	6.7	25
72	An integrated evaluation of some faecal indicator bacteria (FIB) and chemical markers as potential tools for monitoring sewage contamination in subtropical estuaries. <i>Environmental Pollution</i> , 2018 , 235, 739-749	9.3	24
71	Performance of biotic indices in naturally stressed estuarine environments on the Southwestern Atlantic coast (Uruguay): A multiple scale approach. <i>Ecological Indicators</i> , 2012 , 19, 89-97	5.8	24
70	Sterols and fecal indicator microorganisms in sediments from Admiralty Bay, Antarctica. <i>Brazilian Journal of Oceanography</i> , 2005 , 53, 1-12	1.8	24
69	Assessing the suitability of five benthic indices for environmental health assessment in a large subtropical South American estuary. <i>Ecological Indicators</i> , 2016 , 64, 258-265	5.8	22
68	Historical records and spatial distribution of high hazard PCBs levels in sediments around a large South American industrial coastal area (Santos Estuary, Brazil). <i>Journal of Hazardous Materials</i> , 2018 , 360, 428-435	12.8	22
67	Integrated assessment of contaminants and monitoring of an urbanized temperate harbor (Montevideo, Uruguay): a 12-year comparison. <i>Brazilian Journal of Oceanography</i> , 2015 , 63, 311-330	1.8	22
66	Antioxidant responses in estuarine invertebrates exposed to repeated oil spills: Effects of frequency and dosage in a field manipulative experiment. <i>Aquatic Toxicology</i> , 2016 , 177, 237-49	5.1	22
65	Ecological risk assessment of sedimentary hydrocarbons in a subtropical estuary as tools to select priority areas for environmental management. <i>Journal of Environmental Management</i> , 2018 , 223, 417-425	7.9	21
64	Effect of seasonal population fluctuation in the temporal and spatial distribution of polycyclic aromatic hydrocarbons in a subtropical estuary. <i>Environmental Technology and Innovation</i> , 2016 , 5, 41-51	7	19
63	Trace metals in sediment cores from Deception and Penguin Islands (South Shetland Islands, Antarctica). <i>Marine Pollution Bulletin</i> , 2011 , 62, 2571-5	6.7	18
62	¹³⁷ Cs in marine sediments of Admiralty Bay, King George Island, Antarctica. <i>Science of the Total Environment</i> , 2013 , 443, 505-10	10.2	17
61	Alterations of cytochrome P450 and the occurrence of persistent organic pollutants in tilapia caged in the reservoirs of the Iguaçu River. <i>Environmental Pollution</i> , 2018 , 240, 670-682	9.3	17
60	Complex spatial and temporal variation of subtropical benthic macrofauna under sewage impact. <i>Marine Environmental Research</i> , 2016 , 116, 61-70	3.3	16
59	Effects of an in situ diesel oil spill on oxidative stress in the clam <i>Anomalocardia flexuosa</i> . <i>Environmental Pollution</i> , 2017 , 230, 891-901	9.3	16
58	Depositional history and inventories of polychlorinated biphenyls (PCBs) in sediment cores from an Antarctic Specially Managed Area (Admiralty Bay, King George Island). <i>Marine Pollution Bulletin</i> , 2017 , 118, 447-451	6.7	15

57	Coupling spectroscopic and chromatographic techniques for evaluation of the depositional history of hydrocarbons in a subtropical estuary. <i>Environmental Pollution</i> , 2015 , 205, 403-14	9.3	15
56	Sedimentary hydrocarbons and sterols in a South Atlantic estuarine/shallow continental shelf transitional environment under oil terminal and grain port influences. <i>Marine Pollution Bulletin</i> , 2015 , 95, 183-94	6.7	15
55	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. <i>Environmental Pollution</i> , 2018 , 241, 1071-1081	9.3	15
54	Is the distribution of the lancelet <i>Branchiostoma caribaeum</i> affected by sewage discharges? An analysis at multiple scales of variability. <i>Marine Pollution Bulletin</i> , 2013 , 69, 178-88	6.7	15
53	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. <i>Polar Biology</i> , 2014 , 37, 483-496	2	14
52	Embryo toxicity assay in the fish species <i>Rhamdia quelen</i> (Teleostei, Heptaridae) to assess water quality in the Upper Iguaçu basin (Parana, Brazil). <i>Chemosphere</i> , 2018 , 208, 207-218	8.4	13
51	Depositional input of hydrocarbons recorded in sedimentary cores from Deception and Penguin Islands (South Shetland Archipelago, Antarctica). <i>Environmental Pollution</i> , 2019 , 253, 981-991	9.3	13
50	Marcadores orgânicos de contaminação por esgotos sanitários em sedimentos superficiais da baía de Santos, São Paulo. <i>Química Nova</i> , 2008 , 31,	1.6	13
49	Oxidative stress in two tropical species after exposure to diesel oil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20952-20962	5.1	13
48	Polycyclic aromatic hydrocarbons (PAHs) in sediments of the amazon coast: Evidence for localized sources in contrast to massive regional biomass burning. <i>Environmental Pollution</i> , 2021 , 268, 115958	9.3	13
47	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. <i>Science of the Total Environment</i> , 2015 , 536, 750-760	10.2	12
46	Hydrocarbons in soil and meltwater stream sediments near Artigas Antarctic Research Station: origin, sources and levels. <i>Antarctic Science</i> , 2018 , 30, 170-182	1.7	12
45	Are intertidal soft sediment assemblages affected by repeated oil spill events? A field-based experimental approach. <i>Environmental Pollution</i> , 2016 , 213, 151-159	9.3	12
44	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. <i>Environmental Pollution</i> , 2018 , 242, 528-538	9.3	12
43	Tracking the historical sewage input in South American subtropical estuarine systems based on faecal sterols and bulk organic matter stable isotopes ($\delta^{13}C$ and $\delta^{15}N$). <i>Science of the Total Environment</i> , 2019 , 655, 855-864	10.2	12
42	Hydrocarbon and sewage contamination near fringing reefs along the west coast of Havana, Cuba: A multiple sedimentary molecular marker approach. <i>Marine Pollution Bulletin</i> , 2018 , 136, 38-49	6.7	12
41	Petroleum biomarkers as tracers of low-level chronic oil contamination of coastal environments: A systematic approach in a subtropical mangrove. <i>Environmental Pollution</i> , 2019 , 249, 1060-1070	9.3	10
40	Occurrence of halogenated organic contaminants in estuarine sediments from a biosphere reserve in Southern Atlantic. <i>Marine Pollution Bulletin</i> , 2018 , 133, 436-441	6.7	10

39	An integrated appraisal of multiple faecal indicator bacteria and sterols in the detection of sewage contamination in subtropical tidal creeks. <i>International Journal of Hygiene and Environmental Health</i> , 2018 , 221, 1032-1039	6.9	10
38	Organic contamination as a driver of structural changes of hydroid assemblages of the coral reefs near to Havana Harbour, Cuba. <i>Marine Pollution Bulletin</i> , 2018 , 133, 568-577	6.7	10
37	Using a cesium-137 (¹³⁷ Cs) sedimentary fallout record in the South Atlantic Ocean as a supporting tool for defining the Anthropocene. <i>Anthropocene</i> , 2016 , 14, 34-45	3.9	10
36	Sediment quality assessment as potential tool for the management of tropical estuarine protected areas in SW Atlantic, Brazil. <i>Ecological Indicators</i> , 2019 , 101, 238-248	5.8	10
35	Dissecting the distribution of brittle stars along a sewage pollution gradient indicated by organic markers. <i>Marine Pollution Bulletin</i> , 2015 , 100, 438-444	6.7	7
34	One century of historical deposition and flux of hydrocarbons in a sediment core from a South Atlantic RAMSAR subtropical estuary. <i>Science of the Total Environment</i> , 2020 , 706, 136017	10.2	7
33	Benthic trophic status of aquatic transitional environments with distinct morphological and dynamic characteristics on the south-western Atlantic coast. <i>Marine and Freshwater Research</i> , 2017 , 68, 2028	2.2	6
32	Natural archives of long-range transported contamination at the remote lake Letšeng-la Letsie, Maloti Mountains, Lesotho. <i>Science of the Total Environment</i> , 2020 , 737, 139642	10.2	6
31	Micropollutants impair the survival of <i>Oreochromis niloticus</i> and threat local species from Iguaçu River, Southern of Brazil. <i>Environmental Toxicology and Pharmacology</i> , 2021 , 83, 103596	5.8	6
30	Multiple lines of evidence of sediment quality in an urban Marine Protected Area (Xixovê Japu State Park, SP, Brazil). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4605-4617	5.1	6
29	Multi-proxy reconstruction of sea surface and subsurface temperatures in the western South Atlantic over the last ~75 kyr. <i>Quaternary Science Reviews</i> , 2019 , 215, 22-34	3.9	5
28	Heavy metals and As in surface sediments of the north coast of the Rõ de la Plata estuary: Spatial variations in pollution status and adverse biological risk. <i>Regional Studies in Marine Science</i> , 2019 , 28, 100625	1.5	5
27	Statistical assessment of background levels for metal contamination from a subtropical estuarine system in the SW Atlantic (Paranaguá Estuarine System, Brazil). <i>Journal of Sedimentary Environments</i> , 2020 , 5, 137-150	1.4	5
26	Distribution and evolution of sterols and aliphatic hydrocarbons in dated marine sediment cores from the Cabo Frio upwelling region, SW Atlantic, Brazil. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 19888-19901	5.1	5
25	Vertical distribution patterns of macrofauna in a subtropical near-shore coastal area affected by urban sewage. <i>Marine Ecology</i> , 2013 , 34, 233-250	1.4	5
24	Urban effluents affect the early development stages of Brazilian fish species with implications for their population dynamics. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 188, 109907	7	5
23	Depositional history of sedimentary sterols around Penguin Island, Antarctica. <i>Antarctic Science</i> , 2016 , 28, 443-454	1.7	5
22	Biogenic and thermogenic terpenoid hydrocarbons as potential geochemical tools for the study of sedimentary organic matter in subtropical mangrove swamps. <i>Applied Geochemistry</i> , 2020 , 122, 104726	3.5	4

21	Environmental Assessment of Admiralty Bay, King George Island, Antarctica. <i>From Pole To Pole</i> , 2013 , 157-175		4
20	Ardr profiles of bacteria and archaea in mangrove sediments with different levels of contamination in the estuarine complex of ParanaguáBrazil. <i>Brazilian Archives of Biology and Technology</i> , 2013 , 56, 275-281	1.8	4
19	Sources and depositional changes of aliphatic hydrocarbons recorded in sedimentary cores from Admiralty Bay, South Shetland Archipelago, Antarctica during last decades. <i>Science of the Total Environment</i> , 2021 , 795, 148881	10.2	4
18	Low levels of persistent organic pollutants in sediments of the Doce River mouth, South Atlantic, before the Fundão dam failure. <i>Science of the Total Environment</i> , 2022 , 802, 149882	10.2	4
17	Tracking the sources of allochthonous organic matter along a subtropical fluvial-estuarine gradient using molecular proxies in view of land uses. <i>Chemosphere</i> , 2020 , 251, 126435	8.4	3
16	Sediment quality of a Ramsar site assessed by chemical and ecotoxicological approaches. <i>Regional Studies in Marine Science</i> , 2020 , 35, 101145	1.5	3
15	VALIDATION OF AN ANALYTICAL METHOD FOR GEOCHEMICAL ORGANIC MARKERS DETERMINATION IN MARINE SEDIMENTS. <i>Quimica Nova</i> , 2016 ,	1.6	3
14	A systematic evaluation of polycyclic aromatic hydrocarbons in South Atlantic subtropical mangrove wetlands under a coastal zone development scenario. <i>Journal of Environmental Management</i> , 2021 , 277, 111421	7.9	3
13	Sources and distribution of biomarkers in surficial sediments from a polar marine ecosystem (Potter Cove, King George Island, Antarctica). <i>Polar Biology</i> , 2017 , 40, 2015-2025	2	2
12	Anthropogenic and natural inputs of polycyclic aromatic hydrocarbons in the sediment of three coastal systems of the Brazilian Amazon. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 19485-19496	5.1	2
11	Exposure to pollutants present in Iguaçu River Southern Brazil affect the health of <i>Oreochromis niloticus</i> (Linnaeus, 1758): Assessment histological, genotoxic and biochemical. <i>Environmental Toxicology and Pharmacology</i> , 2021 , 87, 103682	5.8	2
10	Cluster analysis for time series based on organic geochemical proxies. <i>Organic Geochemistry</i> , 2020 , 145, 104038	3.1	1
9	Testing biomarker feasibility: a case study of <i>Laeonereis culveri</i> (Nereididae, Annelida) exposed to sewage contamination in a subtropical estuary. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 24181-24191	5.1	1
8	Geochemical mapping in a subtropical estuarine system influenced by large grain-shipping terminals: Insights using Metal/Metal ratios and multivariate analysis. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	1
7	Río de la Plata: Uruguay 2019 , 703-724		1
6	Exploring the application of TEX86 and the sources of organic matter in the Antarctic coastal region. <i>Organic Geochemistry</i> , 2021 , 160, 104288	3.1	1
5	Benthic community responses to organic enrichment during an ENSO event (2009-2010), in the north coast of Rio de la Plata estuary. <i>Journal of Marine Systems</i> , 2021 , 222, 103597	2.7	1
4	Total phosphorus records in coastal Antarctic sediments: Burial and evidence of anthropogenic influence on recent input. <i>Marine Chemistry</i> , 2021 , 237, 104037	3.7	0

- 3 Organic and inorganic pollutants in Jordão and Iguaçu rivers southern Brazil impact early phases of *Rhamdia quelen* and represent a risk for population. *Chemosphere*, **2022**, 134989 8.4 ○
- 2 Disentangling sources and variation of organic matter in soda lakes from Nhecolândia (Pantanal, Brazil) based on hydrocarbons and bacterial composition. *Journal of South American Earth Sciences*, **2022**, 114, 103718 2
- 1 Environmental Conditions in the Estuarine Coast of Montevideo (Uruguay): Historical Aspects and Present Status: An Update **2019**, 408-418