Carlos Vale

List of Publications by Year in descending order

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Version: 2024-02-01

260 papers	9,218 citations	36203 51 h-index	69108 77 g-index
260 all docs	260 docs citations	260 times ranked	8426 citing authors

#	Article	IF	Citations
1	Microplastics in wild fish from North East Atlantic Ocean and its potential for causing neurotoxic effects, lipid oxidative damage, and human health risks associated with ingestion exposure. Science of the Total Environment, 2020, 717, 134625.	3.9	465
2	Halogenated Compounds from Marine Algae. Marine Drugs, 2010, 8, 2301-2317.	2.2	222
3	Evaluation of eutrophication in the Ria Formosa coastal lagoon, Portugal. Continental Shelf Research, 2003, 23, 1945-1961.	0.9	182
4	Accumulation and biological cycling of heavy metal in four salt marsh species, from Tagus estuary (Portugal). Environmental Pollution, 2010, 158, 1661-1668.	3.7	151
5	Mercury and selenium in blue shark (Prionace glauca, L. 1758) and swordfish (Xiphias gladius, L. 1758) from two areas of the Atlantic Ocean. Environmental Pollution, 2007, 150, 373-380.	3.7	145
6	Histological biomarkers in liver and gills of juvenile Solea senegalensis exposed to contaminated estuarine sediments: A weighted indices approach. Aquatic Toxicology, 2009, 92, 202-212.	1.9	144
7	Title is missing!. Water, Air, and Soil Pollution, 2003, 143, 23-40.	1.1	139
8	Seasonal variation of Zn, Pb, Cu and Cd concentrations in the rootâ€“sediment system of Spartina maritima and Halimione portulacoides from Tagus estuary salt marshes. Marine Environmental Research, 2000, 49, 279-290.	1.1	138
9	Accumulation of Zn, Pb, Cu, Cr and Ni in Sediments Between Roots of the Tagus Estuary Salt Marshes, Portugal. Estuarine, Coastal and Shelf Science, 1996, 42, 393-403.	0.9	129
10	Metalâ€rich concretions on the roots of salt marsh plants: Mechanism and rate of formation. Limnology and Oceanography, 1998, 43, 245-252.	1.6	125
11	Stock and losses of trace metals from salt marsh plants. Marine Environmental Research, 2009, 67, 75-82.	1.1	124
12	Suspended sediment fluctuations in the Tagus estuary on semi-diurnal and fortnightly time scales. Estuarine, Coastal and Shelf Science, 1987, 25, 495-508.	0.9	117
13	Distribution of monomethylmercury and mercury in surface sediments of the Tagus Estuary (Portugal). Marine Pollution Bulletin, 2005, 50, 1142-1145.	2.3	108
14	Major and trace elements in soils and ashes of eucalypt and pine forest plantations in Portugal following a wildfire. Science of the Total Environment, 2016, 572, 1363-1376.	3.9	104
15	Chromium removal from contaminated waters using nanomaterials â€“ A review. TrAC - Trends in Analytical Chemistry, 2019, 118, 277-291.	5.8	103
16	Organochlorine contaminants in flounder (Platichthys flesus) and mullet (Mugil cephalus) from Douro estuary, and their use as sentinel species for environmental monitoring. Aquatic Toxicology, 2004, 69, 347-357.	1.9	102
17	Accumulation of Mercury in Sea Bass from a Contaminated Lagoon (Ria de Aveiro, Portugal). Marine Pollution Bulletin, 2000, 40, 293-297.	2.3	91
18	Monitoring of coastal and transitional waters under the E.U. Water Framework Directive. Environmental Monitoring and Assessment, 2007, 135, 195-216.	1.3	90

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19	The use of the marine biotic index AMBI in the assessment of the ecological status of the Ã“bidos lagoon (Portugal). Marine Pollution Bulletin, 2006, 52, 1414-1424.	2.3	88
20	Recovery of Rare Earth Elements by Carbon-Based Nanomaterialsâ€”A Review. Nanomaterials, 2019, 9, 814.	1.9	87
21	Redox Chemistry in the Root Zone of a Salt Marsh Sediment in the Tagus Estuary, Portugal. Aquatic Geochemistry, 2003, 9, 257-271.	1.5	86
22	Study of the Ria Formosa ecosystem: benthic nutrient remineralization and tidal variability of nutrients in the water. Hydrobiologia, 1990, 207, 137-146.	1.0	78
23	Simple methodology for methylmercury and inorganic mercury determinations by high-performance liquid chromatographyâ€“cold vapour atomic fluorescence spectrometry. Analytica Chimica Acta, 2001, 448, 135-143.	2.6	75
24	Influence of sediment acidification on the bioaccumulation of metals in Ruditapes philippinarum. Environmental Science and Pollution Research, 2010, 17, 1519-1528.	2.7	72
25	Removal and recovery of Critical Rare Elements from contaminated waters by living Gracilaria gracilis. Journal of Hazardous Materials, 2018, 344, 531-538.	6.5	72
26	Temporal variations of particulate metals in the Tagus River Estuary. Science of the Total Environment, 1990, 97-98, 137-154.	3.9	71
27	Genotoxic damage in Solea senegalensis exposed to sediments from the Sado Estuary (Portugal): Effects of metallic and organic contaminants. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 654, 29-37.	0.9	71
28	Combined use of environmental data and biomarkers in fish (Liza aurata) inhabiting a eutrophic and metal-contaminated coastal system â€“ Gills reflect environmental contamination. Marine Environmental Research, 2010, 69, 53-62.	1.1	70
29	Assessment of the genotoxic potential of contaminated estuarine sediments in fish peripheral blood: Laboratory versus in situ studies. Environmental Research, 2011, 111, 25-36.	3.7	70
30	Evidence for preferential depths of metal retention in roots of salt marsh plants. Science of the Total Environment, 2008, 390, 466-474.	3.9	67
31	Estuarine ecological risk based on hepatic histopathological indices from laboratory and in situ tested fish. Marine Pollution Bulletin, 2011, 62, 55-65.	2.3	67
32	Tidal export of particulate mercury from the most contaminated area of Aveiro's Lagoon, Portugal. Science of the Total Environment, 1998, 213, 157-163.	3.9	66
33	Evidence for Elevated Production of Methylmercury in Salt Marshes. Environmental Science & Technology, 2007, 41, 7376-7382.	4.6	65
34	Major factors influencing the elemental composition of surface estuarine sediments: The case of 15 estuaries in Portugal. Marine Pollution Bulletin, 2014, 84, 135-146.	2.3	65
35	Bioaccumulation of Hg, Cd and Pb by Fucus vesiculosus in single and multi-metal contamination scenarios and its effect on growth rate. Chemosphere, 2017, 171, 208-222.	4.2	65
36	Effect of plants on sulphur geochemistry in the Tagus salt-marshes sediments. Marine Chemistry, 1997, 58, 27-37.	0.9	64

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37	Overview and challenges of mercury fractionation and speciation in soils. TrAC - Trends in Analytical Chemistry, 2016, 82, 109-117.	5.8	64
38	Root-Induced Cycling of Lead in Salt Marsh Sediments. Environmental Science & Technology, 2005, 39, 2080-2086.	4.6	63
39	Presence of metal-rich rhizoconcretions on the roots of Spartina maritima from the salt marshes of the Tagus Estuary, Portugal. Science of the Total Environment, 1990, 97-98, 617-626.	3.9	62
40	Record of diagenesis of rare earth elements and other metals in a transitional sedimentary environment. Marine Chemistry, 2009, 116, 36-46.	0.9	62
41	Assessment of contaminants and biomarkers of exposure in wild and farmed seabass. Ecotoxicology and Environmental Safety, 2010, 73, 579-588.	2.9	62
42	Nutrient dynamics and seasonal succession of phytoplankton assemblages in a Southern European Estuary: Ria de Aveiro, Portugal. Estuarine, Coastal and Shelf Science, 2007, 71, 480-490.	0.9	61
43	Factors structuring temporal and spatial dynamics of macrobenthic communities in a eutrophic coastal lagoon (Ã“bidos lagoon, Portugal). Marine Environmental Research, 2011, 71, 97-110.	1.1	61
44	Tidal flushing of ammonium, iron and manganese from inter-tidal sediment pore waters. Marine Chemistry, 1997, 58, 203-211.	0.9	60
45	A macroalgae-based biotechnology for water remediation: Simultaneous removal of Cd, Pb and Hg by living Ulva lactuca. Journal of Environmental Management, 2017, 191, 275-289.	3.8	60
46	Seasonal variation of monomethylmercury concentrations in surface sediments of the Tagus Estuary (Portugal). Environmental Pollution, 2007, 148, 380-383.	3.7	59
47	Biochemical responses of the shore crab (Carcinus maenas) in a eutrophic and metal-contaminated coastal system (Ã“bidos lagoon, Portugal). Ecotoxicology and Environmental Safety, 2009, 72, 1471-1480.	2.9	57
48	Retention of arsenic and phosphorus in iron-rich concretions of Tagus salt marshes. Marine Chemistry, 2002, 79, 261-271.	0.9	56
49	Geographical variation and partition of metals in tissues of Octopus vulgaris along the Portuguese coast. Science of the Total Environment, 2004, 325, 71-81.	3.9	55
50	Estimation of the anthropogenic fraction of elements in surface sediments of the Tagus Estuary (Portugal). Marine Pollution Bulletin, 2008, 56, 1364-1367.	2.3	55
51	The influence of plants on concentration and fractionation of Zn, Pb, and Cu in salt marsh sediments (Tagus Estuary, Portugal). Journal of Aquatic Ecosystem Health, 1996, 5, 193-198.	0.4	54
52	Effects of wildfire on mercury mobilisation in eucalypt and pine forests. Catena, 2015, 131, 149-159.	2.2	52
53	Total and organic mercury concentrations in muscle tissue of the blue shark (Prionace glauca L.1758) from the Northeast Atlantic. Marine Pollution Bulletin, 2004, 49, 871-874.	2.3	51
54	Simultaneous removal of trace elements from contaminated waters by living Ulva lactuca. Science of the Total Environment, 2019, 652, 880-888.	3.9	51

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55	Rare earth elements in sediments of the Vigo Ria, NW Iberian Peninsula. Continental Shelf Research, 2009, 29, 896-902.	0.9	50
56	PCB accumulation and alterations of lipids in two length classes of the oyster Crassostrea angulata and of the clam Ruditapes decussatus. Marine Environmental Research, 1998, 45, 259-268.	1.1	49
57	Mercury in contaminated sediments and pore waters enriched in sulphate (Tagus Estuary, Portugal). Environmental Pollution, 2003, 126, 425-433.	3.7	49
58	Mercury cycling between the water column and surface sediments in a contaminated area. Water Research, 2006, 40, 2893-2900.	5.3	49
59	Impact of remobilized contaminants in Mytilus edulis during dredging operations in a harbour area: Bioaccumulation and biomarker responses. Ecotoxicology and Environmental Safety, 2012, 85, 96-103.	2.9	49
60	Distribution and accumulation of metals (Cu, Cd, Zn and Pb) in sediments of a lagoon on the northwestern coast of Portugal. Marine Pollution Bulletin, 2003, 46, 1200-1205.	2.3	48
61	Oxygen profiles in intertidal sediments of Ria Formosa (S. Portugal). Hydrobiologia, 1990, 207, 123-130.	1.0	46
62	The influence of Sarcocornia fruticosa on retention of PAHs in salt marsh sediments (Sado estuary,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.2	46
63	Short-term environmental impact of clam dredging in coastal waters (south of Portugal): chemical disturbance and subsequent recovery of seabed. Marine Environmental Research, 2003, 56, 649-664.	1.1	45
64	Estimation of Cu, Cd and Hg transported by plankton from a contaminated area (Ria de Aveiro). Acta Oecologica, 2003, 24, S351-S357.	0.5	45
65	Priority pesticides in sediments of European coastal lagoons: A review. Marine Pollution Bulletin, 2016, 112, 6-16.	2.3	45
66	Valuation of banana peels as an effective biosorbent for mercury removal under low environmental concentrations. Science of the Total Environment, 2020, 709, 135883.	3.9	45
67	Nutrient dynamics in a coastal lagoon (Ria Formosa, Portugal): The importance of lagoonâ€“sea water exchanges on the biological productivity. Ciencias Marinas, 2003, 29, 425-433.	0.4	45
68	Effect of tidal flooding on metal distribution in pore waters of marsh sediments and its transport to water column (Tagus estuary, Portugal). Marine Environmental Research, 2010, 70, 358-367.	1.1	44
69	Microwave-assisted extraction for methylmercury determination in sediments by high performance liquid chromatography-cold vapour-atomic fluorescence spectrometry. Journal of Analytical Atomic Spectrometry, 2001, 16, 643-647.	1.6	42
70	Hg and metallothionein-like proteins in the black scabbardfish Aphanopus carbo. Food and Chemical Toxicology, 2007, 45, 1443-1452.	1.8	42
71	Metal accumulation and oxidative stress responses in, cultured and wild, white seabream from Northwest Atlantic. Science of the Total Environment, 2008, 407, 638-646.	3.9	42
72	Spatial and seasonal variation of water quality in an impacted coastal lagoon (Ã“bidos Lagoon,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.3	42

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73	The relevance of defining trace metal baselines in coastal waters at a regional scale: The case of the Portuguese coast (SW Europe). Marine Environmental Research, 2012, 79, 86-99.	1.1	42
74	Title is missing!. Hydrobiologia, 1998, 373/374, 193-201.	1.0	41
75	Can the integration of multiple biomarkers and sediment geochemistry aid solving the complexity of sediment risk assessment? A case study with a benthic fish. Environmental Pollution, 2012, 161, 107-120.	3.7	41
76	Seasonal fluctuations of tissue mercury contents in the European shore crab Carcinus maenas from low and high contamination areas (Ria de Aveiro, Portugal). Marine Pollution Bulletin, 2006, 52, 1450-1457.	2.3	40
77	Mercury in sediments and vegetation in a moderately contaminated salt marsh (Tagus Estuary,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.2	40
78	Influence of diffuse sources on levels and distribution of polychlorinated biphenyls in the Guadiana River estuary, Portugal. Marine Chemistry, 2003, 83, 175-184.	0.9	39
79	Sediment contamination, bioavailability and toxicity of sediments affected by an acute oil spill: Four years after the sinking of the tanker Prestige (2002). Chemosphere, 2008, 71, 1207-1213.	4.2	39
80	Rare earth elements in coastal sediments of the northern Galician shelf: Influence of geological features. Continental Shelf Research, 2012, 35, 75-85.	0.9	39
81	A green method based on living macroalgae for the removal of rare-earth elements from contaminated waters. Journal of Environmental Management, 2020, 263, 110376.	3.8	39
82	Decomposition of belowground litter and metal dynamics in salt marshes (Tagus Estuary, Portugal). Science of the Total Environment, 2007, 380, 93-101.	3.9	38
83	Metal accumulation and oxidative stress in Ulva sp. substantiated by response integration into a general stress index. Aquatic Toxicology, 2009, 91, 336-345.	1.9	38
84	The use of biomarkers as integrative tools for transitional water bodies monitoring in the Water Framework Directive context â€" A holistic approach in Minho river transitional waters. Science of the Total Environment, 2016, 539, 85-96.	3.9	38
85	Accumulation of metals and organochlorines in tissues of the oyster Crassostrea angulata from the Sado Estuary, Portugal. Science of the Total Environment, 1990, 97-98, 627-639.	3.9	37
86	Rapid Release of Mercury from Intertidal Sediments Exposed to Solar Radiation:Â A Field Experiment. Environmental Science & Technology, 2004, 38, 3901-3907.	4.6	37
87	Metals in sediments of the Sado estuary, Portugal. Marine Pollution Bulletin, 1995, 30, 34-37.	2.3	36
88	Formation of mid-chain alkane keto-ols by post-depositional oxidation of mid-chain diols in Mediterranean sapropels. Organic Geochemistry, 2001, 32, 271-276.	0.9	36
89	Carbon Storage in Tagus Salt Marsh Sediments. Water, Air and Soil Pollution, 2004, 4, 701-714.	0.8	36
90	Evaluation of ammonium and phosphate release from intertidal and subtidal sediments of a shallow coastal lagoon (Ria Formosa â€" Portugal): a modelling approach. Biogeochemistry, 2007, 82, 291-304.	1.7	36

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91	Metal concentrations in digestive gland and mantle of Sepia officinalis from two coastal lagoons of Portugal. Science of the Total Environment, 2009, 407, 1080-1088.	3.9	36
92	Relations between mercury, methyl-mercury and selenium in tissues of Octopus vulgaris from the Portuguese Coast. Environmental Pollution, 2010, 158, 2094-2100.	3.7	36
93	Forest fires as potential triggers for production and mobilization of polycyclic aromatic hydrocarbons to the terrestrial ecosystem. Land Degradation and Development, 2019, 30, 2360-2370.	1.8	36
94	Metal stress on the plankton communities of Sado River (Portugal). Water Research, 1995, 29, 695-701.	5.3	35
95	Seasonal variation of inorganic nitrogen and net mineralization in a salt marsh ecosystem. Mangroves and Salt Marshes, 1999, 3, 127-134.	0.6	34
96	Fe, Zn, Cu and Cd concentrations in the digestive gland and muscle tissues of Octopus vulgaris and Sepia officinalis from two coastal areas in Portugal. Ciencias Marinas, 2005, 31, 243-251.	0.4	34
97	Microplastics in fishes from an estuary (Minho River) ending into the NE Atlantic Ocean. Marine Pollution Bulletin, 2021, 173, 113008.	2.3	34
98	Suspended-sediment response to pulses in river flow and semidiurnal and fortnightly tidal variations in a mesotidal estuary. Marine Chemistry, 1993, 43, 21-31.	0.9	33
99	Biomarkers: a strategic tool in the assessment of environmental quality of coastal waters. Hydrobiologia, 2007, 587, 79-87.	1.0	33
100	Metal and nutrient dynamics in a eutrophic coastal lagoon (Ã“bidos, Portugal): the importance of observations at different time scales. Environmental Monitoring and Assessment, 2009, 158, 405-418.	1.3	33
101	Influence of salinity and rare earth elements on simultaneous removal of Cd, Cr, Cu, Hg, Ni and Pb from contaminated waters by living macroalgae. Environmental Pollution, 2020, 266, 115374.	3.7	32
102	Distribution of Mercury and Monomethylmercury in Sediments of Vigo Ria, NW Iberian Peninsula. Water, Air, and Soil Pollution, 2007, 182, 21-29.	1.1	31
103	Biochemical endpoints on juvenile Solea senegalensis exposed to estuarine sediments: the effect of contaminant mixtures on metallothionein and CYP1A induction. Ecotoxicology, 2009, 18, 988-1000.	1.1	31
104	Natural trace element enrichment in fishes from a volcanic and tectonically active region (Azores) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	31
105	Microwave treatment of biological samples for methylmercury determination by high performance liquid chromatographyâ€“cold vapour atomic fluorescence spectrometry. Analyst, The, 2001, 126, 1583-1587.	1.7	29
106	Trace-element Al composition of seston and plankton along the Portuguese coast. Acta Oecologica, 2003, 24, S341-S349.	0.5	29
107	Particulate metal distribution in Guadiana estuary punctuated by flood episodes. Estuarine, Coastal and Shelf Science, 2006, 70, 109-116.	0.9	29
108	Metal-contaminated sediments in a semi-closed basin: Implications for recovery. Estuarine, Coastal and Shelf Science, 2007, 71, 148-158.	0.9	29

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109	Validation of Arenicola marina in field toxicity bioassays using benthic cages: Biomarkers as tools for assessing sediment quality. Marine Pollution Bulletin, 2011, 62, 1538-1549.	2.3	29
110	Negligible effect of potentially toxic elements and rare earth elements on mercury removal from contaminated waters by green, brown and red living marine macroalgae. Science of the Total Environment, 2020, 724, 138133.	3.9	29
111	Simple method for monomethylmercury determination in estuarine sediments. TrAC - Trends in Analytical Chemistry, 2004, 23, 799-806.	5.8	28
112	A rapid acid digestion method with ICP-MS detection for the determination of selenium in dry sediments. Analytica Chimica Acta, 2005, 551, 207-212.	2.6	28
113	The pathway of mercury in contaminated waters determined by association with organic carbon (Tagus Estuary, Portugal). Applied Geochemistry, 2008, 23, 519-528.	1.4	28
114	The relevance of temporal and organ specific factors on metals accumulation and biochemical effects in feral fish (Liza aurata) under a moderate contamination scenario. Ecotoxicology and Environmental Safety, 2010, 73, 805-816.	2.9	28
115	Possible solar control on primary production along the Indian west coast on decadal to centennial timescale. Journal of Quaternary Science, 2009, 24, 109-116.	1.1	27
116	Assessment of spatial environmental quality status in Ria de Aveiro (Portugal). Scientia Marina, 2007, 71, 293-304.	0.3	27
117	Tidal flushing of ammonium from intertidal sediments of Ria Formosa, Portugal. Netherlands Journal of Aquatic Ecology, 1995, 29, 239-244.	0.3	26
118	Storage and export of mercury from a contaminated bay (Ria de Aveiro, Portugal). Wetlands Ecology and Management, 2001, 9, 311-316.	0.7	26
119	Organochlorine bioaccumulation and biomarkers levels in culture and wild white seabream (Diplodus sargus). Chemosphere, 2008, 73, 1669-1674.	4.2	26
120	Influence of toxic elements on the simultaneous uptake of rare earth elements from contaminated waters by estuarine macroalgae. Chemosphere, 2020, 252, 126562.	4.2	26
121	Accumulation versus remobilization of mercury in sediments of a contaminated lagoon. Marine Pollution Bulletin, 2006, 52, 353-356.	2.3	25
122	The last frontier: Coupling technological developments with scientific challenges to improve hazard assessment of deep-sea mining. Science of the Total Environment, 2018, 627, 1505-1514.	3.9	25
123	An estimation of industrial mercury stored in sediments of a confined area of the lagoon of aveiro (Portugal). Water Science and Technology, 1998, 37, 125-130.	1.2	25
124	Distribution of mercury in the upper sediments from a polluted area (Ria de aveiro, Portugal). Marine Pollution Bulletin, 2005, 50, 682-686.	2.3	24
125	Mercury distribution in Douro estuary (Portugal). Marine Pollution Bulletin, 2005, 50, 1218-1222.	2.3	24
126	A description of chloride cell and kidney tubule alterations in the flatfish Solea senegalensis exposed to moderately contaminated sediments from the Sado estuary (Portugal). Journal of Sea Research, 2010, 64, 465-472.	0.6	24

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127	Footprint of roman and modern mining activities in a sediment core from the southwestern Iberian Atlantic shelf. Science of the Total Environment, 2016, 571, 1211-1221.	3.9	24
128	Depuration of PCBs and DDTs in mullet under captivity clean conditions. Chemosphere, 2007, 67, S58-S64.	4.2	23
129	Major characteristics of microplastics in mussels from the Portuguese coast. Environmental Research, 2021, 197, 110993.	3.7	23
130	Seasonal Variation of Surface Sediments Composition in Mondego River Estuary. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 317-329.	0.9	22
131	Sub-cellular partitioning of Zn, Cu, Cd and Pb in the digestive gland of native Octopus vulgaris exposed to different metal concentrations (Portugal). Science of the Total Environment, 2008, 390, 410-416.	3.9	22
132	Mercury in river, estuarine and seawaters â€“ Is it possible to decrease realist environmental concentrations in order to achieve environmental quality standards?. Water Research, 2016, 106, 439-449.	5.3	22
133	Natural and Anthropocene fluxes of trace elements in estuarine sediments of Galician Rias. Estuarine, Coastal and Shelf Science, 2017, 198, 329-342.	0.9	22
134	Nitrogen sequestration capacity of two salt marshes from the Tagus estuary. Hydrobiologia, 2007, 587, 137-145.	1.0	21
135	Exchange of Cu and Cd across the sediment-water interface in intertidal mud flats from Ria Formosa (Portugal). Hydrobiologia, 2007, 587, 147-155.	1.0	21
136	Using Factor Analysis to Characterise Historical Trends of Trace Metal Contamination in a Sediment Core from the Tagus Prodelta, Portugal. Water, Air, and Soil Pollution, 2009, 197, 277-287.	1.1	21
137	Sedimentary record of anthropogenic metal inputs in the Tagus prodelta (Portugal). Continental Shelf Research, 2009, 29, 381-392.	0.9	21
138	Uptake and release of paralytic shellfish toxins by the clam Ruditapes decussatus exposed to Gymnodinium catenatum and subsequent depuration. Marine Environmental Research, 2012, 77, 23-29.	1.1	21
139	The Condor seamount at Mid-Atlantic Ridge as a supplementary source of trace and rare earth elements to the sediments. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 98, 24-37.	0.6	21
140	Experimental Measurement and Modeling of Hg(II) Removal from Aqueous Solutions Using Eucalyptus globulus Bark: Effect of pH, Salinity and Biosorbent Dosage. International Journal of Molecular Sciences, 2019, 20, 5973.	1.8	21
141	Evidences of metabolic alterations and cellular damage in mussels after short pulses of Ti contamination. Science of the Total Environment, 2019, 650, 987-995.	3.9	21
142	Metal bioaccumulation and oxidative stress profiles in Ruditapes philippinarum â€“ insights towards its suitability as bioindicator of estuarine metal contamination. Ecological Indicators, 2018, 95, 1087-1099.	2.6	20
143	Seasonal and multi-annual trends of bivalve toxicity by PSTs in Portuguese marine waters. Science of the Total Environment, 2019, 664, 1095-1106.	3.9	20
144	Effects of infauna harvesting on tidal flats of a coastal lagoon (Ria Formosa, Portugal): Implications on phosphorus dynamics. Marine Environmental Research, 2006, 61, 136-148.	1.1	19

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145	Evaluation of the potential of the common cockle (Cerastoderma edule L.) for the ecological risk assessment of estuarine sediments: bioaccumulation and biomarkers. Ecotoxicology, 2010, 19, 1496-1512.	1.1	19
146	Matrix effect on paralytic shellfish toxins quantification and toxicity estimation in mussels exposed toGymnodinium catenatum. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 1724-1732.	1.1	19
147	DNA damage and metal accumulation in four tissues of feral Octopus vulgaris from two coastal areas in Portugal. Ecotoxicology and Environmental Safety, 2010, 73, 1543-1547.	2.9	19
148	Can contaminated waters or wastewater be alternative sources for technology-critical elements? The case of removal and recovery of lanthanides. Journal of Hazardous Materials, 2019, 380, 120845.	6.5	19
149	Distribution of Fe, Mn, Cu and Cd in Upper Sediments and Sediment-Trap Material of Ria Formosa (Portugal). Journal of Coastal Research, 2002, 36, 118-123.	0.1	19
150	The effect of tidal range on the flushing of ammonium from intertidal sediments of the Tagus estuary, Portugal. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 291-302.	0.7	18
151	Evidence for Polychlorinated Biphenyls Dechlorination in the Sediments of Sado Estuary, Portugal. Marine Pollution Bulletin, 2001, 42, 452-460.	2.3	18
152	Influence of the chemical structure on mobility of PCB congeners in female and male sardine (Sardina) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.2	18
153	Depuration kinetics of paralytic shellfish toxins in Mytilus galloprovincialis exposed to Gymnodinium catenatum: laboratory and field experiments. Journal of Environmental Monitoring, 2010, 12, 2269.	2.1	18
154	Exchange of nutrients across the sedimentâ€“water interface in intertidal ria systems (SW Europe). Journal of Sea Research, 2014, 85, 349-358.	0.6	18
155	Relations between total mercury, methylmercury and selenium in five tissues of Sepia officinalis captured in the south Portuguese coast. Chemosphere, 2014, 108, 190-196.	4.2	18
156	Nutshells as Efficient Biosorbents to Remove Cadmium, Lead, and Mercury from Contaminated Solutions. International Journal of Environmental Research and Public Health, 2021, 18, 1580.	1.2	18
157	Total PCB-organic matter correlation in sediments from three estuarine areas of Portugal. Netherlands Journal of Aquatic Ecology, 1995, 29, 297-302.	0.3	17
158	Environmental assessment of two artificial reef systems off southern Portugal (Faro and OlhÃ£o): A question of location. Continental Shelf Research, 2008, 28, 839-847.	0.9	17
159	Transcriptomic analyses in a benthic fish exposed to contaminated estuarine sediments through laboratory and in situ bioassays. Ecotoxicology, 2011, 20, 1749-1764.	1.1	17
160	Sediment-Quality Assessment Using the Polychaete Arenicola marina: Contamination, Bioavailability, and Toxicity. Archives of Environmental Contamination and Toxicology, 2011, 61, 578-589.	2.1	17
161	Immobilised Phaeodactylum tricornutum as biomonitor of trace element availability in the water column during dredging. Environmental Science and Pollution Research, 2014, 21, 3572-3581.	2.7	17
162	Phytochelatins and monothiols in salt marsh plants and their relation with metal tolerance. Marine Pollution Bulletin, 2017, 121, 78-84.	2.3	17

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163	Vertical distribution of major, minor and trace elements in sediments from mud volcanoes of the Gulf of Cadiz: evidence of Cd, As and Ba fronts in upper layers. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 131, 133-143.	0.6	17
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