M H Costa

List of Publications by Year
in descending order

77 papers	3,229 citations	159585 30 h-index	161849 54 g-index
78 all docs	78 docs citations	78 times ranked	4009 citing authors

#	Article	IF	Citations
1	DNA metabarcoding for high-throughput monitoring of estuarine macrobenthic communities. Scientific Reports, 2017, 7, 15618.	3.3	65
2	Contrasting morphological and DNA barcode-suggested species boundaries among shallow-water amphipod fauna from the southern European Atlantic coast. Genome, 2017, 60, 147-157.	2.0	34
3	Effects of the increase of temperature and CO2 concentration on polychaetae Nereis diversicolor: simulating extreme scenarios of climate change in marine sediments. Hydrobiologia, 2016, 772, 161-174.	2.0	7
4	Starting a <scp>DNA</scp> barcode reference library for shallow water polychaetes from the southern European Atlantic coast. Molecular Ecology Resources, 2016, 16, 298-313.	4.8	58
5	With a little help from DNA barcoding: investigating the diversity of Gastropoda from the Portuguese coast. Scientific Reports, 2016, 6, 20226.	3.3	28
6	Comparing the genotoxicity of a potentially carcinogenic and a noncarcinogenic <scp>PAH</scp>, singly, and in binary combination, on peripheral blood cells of the <scp>E</scp>uropean sea bass. Environmental Toxicology, 2016, 31, 1307-1318.	4.0	16
7	Microanatomical alterations in the gut of an marine polychaete (Eulalia viridis, Errantia:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.4	0
8	Effects of carcinogenic versus non-carcinogenic AHR-active PAHs and their mixtures: Lessons from ecological relevance. Environmental Research, 2015, 138, 101-111.	7.5	23
9	Alterations in juvenile flatfish gill epithelia induced by sediment-bound toxicants: A comparative in situ and ex situ study. Marine Environmental Research, 2015, 112, 122-130.	2.5	12
10	A Study on the Digestive Physiology of a Marine Polychaete (Eulalia viridis) through Microanatomical Changes of Epithelia During the Digestive Cycle. Microscopy and Microanalysis, 2015, 21, 91-101.	0.4	16
11	An integrative assessment to determine the genotoxic hazard of estuarine sediments: combining cell and whole-organism responses. Frontiers in Genetics, 2014, 5, 437.	2.3	10
12	May sediment contamination be xenoestrogenic to benthic fish? A case study with Solea senegalensis. Marine Environmental Research, 2014, 99, 170-178.	2.5	17
13	Microstructural and histochemical advances on the digestive gland of the common cuttlefish, Sepia officinalis L.. Zoomorphology, 2014, 133, 59-69.	0.8	27
14	Histopathological findings on Carassius auratus hepatopancreas upon exposure to acrylamide: correlation with genotoxicity and metabolic alterations. Journal of Applied Toxicology, 2014, 34, 1293-1302.	2.8	25
15	Human hepatoma cells exposed to estuarine sediment contaminant extracts permitted the differentiation between cytotoxic and pro-mutagenic fractions. Environmental Pollution, 2014, 185, 141-148.	7.5	12
16	Hypocholesterolaemic pharmaceutical simvastatin disrupts reproduction and population growth of the amphipod Gammarus locusta at the ng/L range. Aquatic Toxicology, 2014, 155, 337-347.	4.0	54
17	Determining oxidative and non-oxidative genotoxic effects driven by estuarine sediment contaminants on a human hepatoma cell line. Science of the Total Environment, 2014, 478, 25-35.	8.0	21
18	Ecotoxicological Heterogeneity in Transitional Coastal Habitats Assessed Through the Integration of Biomarkers and Sediment-Contamination Profiles: A Case Study Using a Commercial Clam. Archives of Environmental Contamination and Toxicology, 2013, 64, 97-109.	4.1	22

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19	Ecological risk assessment of impacted estuarine areas: Integrating histological and biochemical endpoints in wild Senegalese sole. Ecotoxicology and Environmental Safety, 2013, 95, 202-211.	6.0	16
20	Comparative DNA damage and oxidative effects of carcinogenic and non-carcinogenic sediment-bound PAHs in the gills of a bivalve. Aquatic Toxicology, 2013, 142-143, 85-95.	4.0	62
21	Enhanced primers for amplification of DNA barcodes from a broad range of marine metazoans. BMC Ecology, 2013, 13, 34.	3.0	130
22	Integration of sediment contamination with multi-biomarker responses in a novel potential bioindicator (Sepia officinalis) for risk assessment in impacted estuaries. Ecotoxicology, 2013, 22, 1538-1554.	2.4	13
23	Multi-organ histological observations on juvenile Senegalese soles exposed to low concentrations of waterborne cadmium. Fish Physiology and Biochemistry, 2013, 39, 143-158.	2.3	34
24	Adaptive-participative sustainability indicators in marine protected areas: Design and communication. Ocean and Coastal Management, 2013, 72, 36-45.	4.4	41
25	Development of histopathological indices in a commercial marine bivalve (Ruditapes decussatus) to determine environmental quality. Aquatic Toxicology, 2013, 126, 442-454.	4.0	113
26	Molecular detection of prokaryote and protozoan parasites in the commercial bivalve Ruditapes decussatus from southern Portugal. Aquaculture, 2012, 370-371, 61-67.	3.5	16
27	Development and application of a novel histological multichrome technique for clam histopathology. Journal of Invertebrate Pathology, 2012, 110, 411-414.	3.2	21
28	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.	6.0	49
29	Hepatic proteome changes in Solea senegalensis exposed to contaminated estuarine sediments: a laboratory and in situ survey. Ecotoxicology, 2012, 21, 1194-1207.	2.4	10
30	Determining DNA strand breakage from embryogenic cell cultures of a conifer species using the single-cell gel electrophoresis assay. Tree Genetics and Genomes, 2012, 8, 425-430.	1.6	6
31	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.	7.5	41
32	Assessment of the genotoxic potential of contaminated estuarine sediments in fish peripheral blood: Laboratory versus in situ studies. Environmental Research, 2011, 111, 25-36.	7.5	70
33	Broodstock diet effect on sea urchin Paracentrotus lividus (Lamarck, 1816) endotrophic larvae development: Potential for their year-round use in environmental toxicology assessment. Ecotoxicology and Environmental Safety, 2011, 74, 584-592.	6.0	12
34	Estuarine ecological risk based on hepatic histopathological indices from laboratory and in situ tested fish. Marine Pollution Bulletin, 2011, 62, 55-65.	5.0	67
35	Transcriptomic analyses in a benthic fish exposed to contaminated estuarine sediments through laboratory and in situ bioassays. Ecotoxicology, 2011, 20, 1749-1764.	2.4	17
36	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.	2.4	19

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37	Alterations to proteome and tissue recovery responses in fish liver caused by a short-term combination treatment with cadmium and benzo[a]pyrene. Environmental Pollution, 2010, 158, 3338-3346.	7.5	48
38	Metallothioneins and trace elements in digestive gland, gills, kidney and gonads of Octopus vulgaris. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 139-146.	2.6	13
39	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.	6.0	19
40	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.	1.6	24
41	Ecological risk assessment of sediment management areas: application to Sado Estuary, Portugal. Ecotoxicology, 2009, 18, 1165-1175.	2.4	42
42	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.	2.4	31
43	Environment and human health issues. Ecotoxicology, 2009, 18, 971-973.	2.4	0
44	Toxicokinetics of Waterborne Trivalent Arsenic in the Freshwater Bivalve Corbicula fluminea. Archives of Environmental Contamination and Toxicology, 2009, 57, 338-347.	4.1	20
45	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.	4.0	144
46	Trace metals in populations of Marphysa sanguinea (Montagu, 1813) from Sado estuary: effect of body size on accumulation. Scientia Marina, 2009, 73, 605-616.	0.6	12
47	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.	1.7	71
48	Modelling metallothionein induction in the liver of Sparus aurata exposed to metal-contaminated sediments. Ecotoxicology and Environmental Safety, 2008, 71, 117-124.	6.0	29
49	Metallothionein responses in the Asiatic clam (Corbicula fluminea) after exposure to trivalent arsenic. Biomarkers, 2007, 12, 589-598.	1.9	18
50	Toxicological effects and bioaccumulation in the freshwater clam (Corbicula fluminea) following exposure to trivalent arsenic. Environmental Toxicology, 2007, 22, 502-509.	4.0	17
51	Genotoxicity assessment in fish peripheral blood: a method for a more efficient analysis of micronuclei. Journal of Fish Biology, 2007, 71, 148-151.	1.6	93
52	TOXICITY RANKING OF ESTUARINE SEDIMENTS ON THE BASIS OF SPARUS AURATA BIOMARKERS. Environmental Toxicology and Chemistry, 2007, 26, 444.	4.3	16
53	Biomarkers: a strategic tool in the assessment of environmental quality of coastal waters. Hydrobiologia, 2007, 587, 79-87.	2.0	33
54	Endosulfan-Induced Genotoxicity Detected in the Gilthead Seabream, Sparus aurata L., by Means of Flow Cytometry and Micronuclei Assays. Bulletin of Environmental Contamination and Toxicology, 2006, 76, 242-248.	2.7	31

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55	Nereis diversicolor effect on the stability of cohesive intertidal sediments. Aquatic Ecology, 2006, 40, 567-579.	1.5	31
56	Multi-level assessment of chronic toxicity of estuarine sediments with the amphipod Gammarus locusta: II. Organism and population-level endpoints. Marine Environmental Research, 2005, 60, 93-110.	2.5	52
57	Multi-level assessment of chronic toxicity of estuarine sediments with the amphipod Gammarus locusta: I. Biochemical endpoints. Marine Environmental Research, 2005, 60, 69-91.	2.5	64
58	Benthic biotope index for classifying habitats in the sado estuary: Portugal. Marine Environmental Research, 2005, 60, 570-593.	2.5	27
59	Assessing heavy metal contamination in Sado Estuary sediment: An index analysis approach. Ecological Indicators, 2005, 5, 151-169.	6.3	587
60	Quantification of metallothionein in whole bodygammarus locusta(crustacea: amphipoda) using differential pulse polarography. Toxicological and Environmental Chemistry, 2004, 86, 23-36.	1.2	13
61	Application of RAPD DNA fingerprinting in taxonomic identification of amphipods: a case-study with Gammarus species (Crustacea: Amphipoda). Journal of the Marine Biological Association of the United Kingdom, 2004, 84, 171-178.	0.8	13
62	Age-related changes in antioxidant enzyme activities, fatty acid composition and lipid peroxidation in whole body Gammarus locusta (Crustacea: Amphipoda). Journal of Experimental Marine Biology and Ecology, 2003, 289, 83-101.	1.5	112
63	Delineation of Estuarine Management Areas Using Multivariate Geostatistics:Â The Case of Sado Estuary. Environmental Science & Technology, 2003, 37, 4052-4059.	10.0	27
64	Studies on biomarkers of copper exposure and toxicity in the marine amphipod Gammarus locusta (Crustacea): I. Copper-containing granules within the midgut gland. Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 827-834.	0.8	15
65	Functional anatomy of the midgut gland of Gammarus locusta (Crustacea: Amphipoda). Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 201-204.	0.8	11
66	LOW GENETIC VARIABILITY OF THE WIDESPREAD AMPHIPOD GAMMARUS LOCUSTA, AS EVIDENCED BY ALLOZYME ELECTROPHORESIS OF SOUTHERN EUROPEAN POPULATIONS. Crustaceana, 2002, 75, 1335-1348.	0.3	5
67	Detection of DNA strand breakage in a marine amphipod by agarose gel electrophoresis: exposure to X-rays and copper. Biomarkers, 2002, 7, 451-463.	1.9	16
68	Studies on biomarkers of copper exposure and toxicity in the marine amphipodGammarus locusta(Crustacea): I. Induction of metallothionein and lipid peroxidation. Biomarkers, 2002, 7, 422-437.	1.9	47
69	HEAT SHOCK PROTEIN MICRO-ENCAPSULATION AS A DOUBLE TOOL FOR THE IMPROVEMENT OF NEW GENERATION VACCINES. Journal of Liposome Research, 2002, 12, 29-35.	3.3	5
70	Effects of water-borne copper on metallothionein and lipid peroxidation in the marine amphipod gammarus locusta. Marine Environmental Research, 2002, 54, 357-360.	2.5	52
71	Effects of temperature and salinity on life history of the marine amphipod Gammarus locusta. Implications for ecotoxicological testing. Ecotoxicology, 2002, 11, 61-73.	2.4	91
72	Effects of sediment geochemical properties on the toxicity of copper-spiked sediments to the marine amphipod Gammarus locusta. Science of the Total Environment, 2000, 247, 99-106.	8.0	24

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73	Macrozoobenthic community structure in two Portuguese estuaries: Relationship with organic enrichment and nutrient gradients. Acta Oecologica, 1999, 20, 363-376.	1.1	34
74	Macrobenthic communities of saltpans from the Sado estuary (Portugal). Acta Oecologica, 1999, 20, 327-332.	1.1	18
75	Life history of the amphipod Gammarus locusta in the Sado estuary (Portugal). Acta Oecologica, 1999, 20, 305-314.	1.1	66
76	Acute Marine Sediment Toxicity: A Potential New Test with the AmphipodGammarus locusta. Ecotoxicology and Environmental Safety, 1998, 40, 81-87.	6.0	58
77	Sediment chemistry â€" Infaunal community structure in a southern European estuary related to solid-phase MicrotoxÂ® toxicity testing. Netherlands Journal of Aquatic Ecology, 1995, 29, 427-436.	0.3	16