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The Estuarine Quality Paradox, Environmental Homeostasis and the difficulty of detecting anthropogenic stress in naturally stressed areas

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#	Paper	IF	Citations
667	Indicadores sintticos de calidad ambiental: un modelo general para grandes zonas urbanas. <b>2006</b> , 32, 73		25
666	The guild approach to categorizing estuarine fish assemblages: a global review. <b>2007</b> , 8, 241-268		454
665	Preface: Biodiversity and ecosystem functioning in coastal and transitional waters. Edited by Anita Franco, Michael Elliott and Patrizia Torricelli. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 75, 1-3	2.9	6
664	Estuarine, coastal and marine ecosystem restoration: Confusing management and science [A revision of concepts. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 74, 349-366	2.9	284
663	Biodiversity conservation in Mediterranean and Black Sea lagoons: a trait-oriented approach to benthic invertebrate guilds. <b>2008</b> , 18, S4-S15		27
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661	Estuarine production of resident and nursery fish species: Conditioning by drought events?. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 78, 51-60	2.9	78
660	The structure of the benthic macrofaunal assemblages and sediments characteristics of the Paragua estuarine system, NE, Brazil. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 78, 753-762	2.9	53
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519	Particulate Thiol Peptides Along a Salinity Gradient of a Metal-Contaminated Estuary. <b>2012</b> , 35, 658-664		6
518	Intertidal macrofauna and environmental stress at a riverine-marine boundary. <b>2013</b> , 92, 1-9		3
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516	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> , <b>2013</b> , 69, 178-88	6.7	15
515	Ecological risk assessment of impacted estuarine areas: integrating histological and biochemical endpoints in wild Senegalese sole. <b>2013</b> , 95, 202-11		15
514	Fishes and fisheries in tropical estuaries: The last 10 years. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 135, 57-65	2.9	59
513	Respiratory responses to salinity, temperature and hypoxia of six caridean shrimps from different aquatic habitats. <b>2013</b> , 445, 108-115		20
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511	Macroinvertebrates communities associated with the decomposition of <i>Phragmites australis</i> and <i>Fucus vesiculosus</i> in transitional systems. <b>2013</b> , 83, 72-82		5
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506	Zooplankton composition along the confinement gradient of the Taranto Sea System (Ionian Sea, south-eastern Italy). <b>2013</b> , 128, 222-238		14
505	Strength and time lag of relationships between human pressures and fish-based metrics used to assess ecological quality of estuarine systems. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 134, 119-127	2.9	20
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495	Biochemical responses and physiological status in the crab <i>Hemigrapsus crenulatus</i> (Crustacea, Varunidae) from high anthropogenically-impacted estuary (Lenga, south-central Chile). <b>2013</b> , 83, 73-81		16
494	Natural variability and reference conditions: setting type-specific classification boundaries for lagoon macroinvertebrates in the Mediterranean and Black Seas. <b>2013</b> , 704, 325-345		25
493	A unifying approach to understanding transitional waters: Fundamental properties emerging from ecotone ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 132, 5-16	2.9	88
492	Phytoplankton composition indicators for the assessment of eutrophication in marine waters: present state and challenges within the European directives. <i>Marine Pollution Bulletin</i> , <b>2013</b> , 66, 7-16	6.7	60
491	A hierarchical Bayesian model for the ecological status classification of lagoons. <b>2013</b> , 263, 187-195		3
490	Assessing and managing sediment contamination in transitional waters. <b>2013</b> , 55, 71-91		88
489	Integrated quality assessment of sediments from harbour areas in Santos-Sã Vicente Estuarine System, Southern Brazil. <i>Estuarine, Coastal and Shelf Science</i> , <b>2013</b> , 130, 179-189	2.9	61

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486	Trends in water quality and subtidal benthic communities in a temperate estuary: Is the response to restoration efforts hidden by climate variability and the Estuarine Quality Paradox?. <i>Ecological Indicators</i> , <b>2013</b> , 24, 56-67	5.8	28
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484	Human-mediated drivers of change – Impacts on coastal ecosystems and marine biota of South Africa. <b>2013</b> , 35, 403-425		38
483	Depurated fish as an alternative reference for field-based biomarker monitoring. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 1331-40	3.1	7
482	Transitional and coastal waters ecological status assessment: advances and challenges resulting from implementing the European Water Framework Directive. <b>2013</b> , 704, 213-229		47
481	The use of benthic metabolic processes as indicators for environmental quality assessment in coastal lagoons. <b>2013</b> , 4, 194-211		1
480	Polychaete richness and abundance enhanced in anthropogenically modified estuaries despite high concentrations of toxic contaminants. <b>2013</b> , 8, e77018		33
479	Long-term ecosystem stability in an Early Miocene estuary. <b>2014</b> , 42, 7-10		31
478	Patterns and processes of habitat-specific demographic variability in exploited marine species. <b>2014</b> , 71, 638-647		36
477	Faster, Higher and Stronger? The Pros and Cons of Molecular Faunal Data for Assessing Ecosystem Condition. <b>2014</b> , 51, 1-40		24
476	Ichthyofauna as bioindicator of environmental quality in an industrial district in the amazon estuary, Brazil. <b>2014</b> , 74, 315-24		6
475	Macrofauna in Mediterranean and Black Sea transitional aquatic ecosystems: A comparative study of the benthic populations sampled by box corer and leaf bags. <i>Ecological Indicators</i> , <b>2014</b> , 38, 159-169	5.8	12
474	Mind the Data Gap: Identifying and Assessing Drivers of Changing Eutrophication Condition. <b>2014</b> , 37, 198-221		14
473	Modeling fish biological responses to contaminants and natural variability in estuaries. <b>2014</b> , 96, 45-55		20
472	Effects of substratum type on fish assemblages in shallow areas of a tropical estuary. <b>2014</b> , 35, 456-470		13
471	Structural and functional indices show similar performance in marine ecosystem quality assessment. <i>Ecological Indicators</i> , <b>2014</b> , 43, 271-280	5.8	20

470	Long term variation of an amphipod species population secondary production as indicator of incomplete resilience in a temperate estuary. <i>Ecological Indicators</i> , <b>2014</b> , 36, 324-333	5.8	5
469	Macrofaunal recovery following the intertidal recharge of dredged material: a comparison of structural and functional approaches. <b>2014</b> , 97, 15-29		21
468	Biodiversity in transitional waters: steeper ecotone, lower diversity. <b>2014</b> , 35, 78-84		22
467	Functional changes in benthic communities along a salinity gradient – a western Baltic case study. <b>2014</b> , 85, 315-324		42
466	Towards a suitable ecological status assessment of highly stratified mediterranean estuaries: A comparison of benthic invertebrate fauna indices. <i>Ecological Indicators</i> , <b>2014</b> , 46, 177-187	5.8	13
465	Human-induced biotic invasions and changes in plankton interaction networks. <b>2014</b> , 51, 1066-1074		16
464	Ecological effects of contaminated sediments following a decade of no industrial effluents emissions: the Sediment Quality Triad approach. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 87, 117-130	6.7	12
463	Assessing benthic ecological status of urban sandy beaches (Northeast Atlantic, Morocco) using M-AMBI. <i>Ecological Indicators</i> , <b>2014</b> , 46, 586-595	5.8	10
462	Impact of sewage pollution on the structure and functioning of a rocky shore benthic community. <b>2014</b> , 65, 750		3
461	Juvenile salmon in estuaries: comparisons between North American Atlantic and Pacific salmon populations. <b>2014</b> , 24, 713-736		24
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458	Assessing the ecological status in the context of the European Water Framework Directive: where do we go now?. <b>2014</b> , 497-498, 332-344		129
457	New methodology for analysing and increasing the cost-efficiency of environmental monitoring networks. <i>Marine Pollution Bulletin</i> , <b>2014</b> , 86, 161-173	6.7	5
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454	The artisanal fishery of <i>Cynoscion guatucupa</i> in Argentina: Exploring the possible causes of the collapse in Bahía Blanca estuary. <b>2014</b> , 88, 29-35		17
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452	Integrated assessment of metal contamination in sediments from two tropical estuaries. <b>2014</b> , 106, 195-203		46
451	Benthic macrophyte metrics as bioindicators of water quality: towards overcoming typological boundaries and methodological tradition in Mediterranean and Black Seas. <b>2014</b> , 740, 61-78		15
450	Is there a significant relationship between the benthic status of an area, determined by two broadly-used indices, and best professional judgment?. <i>Ecological Indicators</i> , <b>2014</b> , 45, 308-312	5.8	9
449	Variability and temporal stability of communities in estuaries (Mlalazi and Mpenjati, South Africa). <b>2014</b> , 500, 11-24		3
448	Life history of <i>Sternaspis costata</i> (Sternaspidae: Polychaeta) in Ariake Bay, Japan. <b>2015</b> , 1-9		2
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446	The physico-chemical characteristics, biota and fisheries of estuaries. <b>2015</b> , 48-79		7
445	Assessing the Environmental Quality in Heavily Modified Transitional Waters: The Application of MEDOCC (MEDiterranean OCCidental) Index in Ebre Delta Bays. <b>2015</b> , 227-247		
444	The effect of four environmental parameters on the structure of estuarine shoreline communities in Texas, USA. <b>2015</b> , 6, art258		3
443	The structure of disaster resilience: a framework for simulations and policy recommendations. <b>2015</b> , 15, 827-841		4
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441	Bottom-up control of macrobenthic communities in a guanotrophic coastal system. <b>2015</b> , 10, e0117544		14
440	Scavenging rate ecoassay: a potential indicator of estuary condition. <b>2015</b> , 10, e0127046		8
439	Detecting Subtle Shifts in Ecosystem Functioning in a Dynamic Estuarine Environment. <b>2015</b> , 10, e0133914		20
438	Impact of marine inundation after a period of drought on the lakeshore vegetation of Lake St Lucia, South Africa: resilience of estuarine vegetation. <b>2015</b> , 40, 175-185		
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436	Efficacy of single and multi-metric fish-based indices in tracking anthropogenic pressures in estuaries: An 8-year case study. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 101, 153-162	6.7	18
435	Biological Indicators to Assess the Ecological Status of River-Dominated Estuaries: The Case of Benthic Indicators in the Ebro River Estuary. <b>2015</b> , 149-170		1

434	A fish-based index for assessing the ecological status of Polish transitional and coastal waters. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 101, 497-506	6.7	5
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426	Temporal variability of biodiversity patterns and trophic structure of estuarine macrobenthic assemblages along a gradient of metal contamination. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 167, 286-299	2.9	22
425	Bacterial diversity patterns of the intertidal biofilm in urban beaches of R� de la Plata. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 91, 476-82	6.7	11
424	The mosaic of habitats of the Seine estuary: Insights from food-web modelling and network analysis. <b>2015</b> , 312, 91-101		29
423	Habitat quality of estuarine nursery grounds: Integrating non-biological indicators and multilevel biological responses in <i>Solea senegalensis</i> . <i>Ecological Indicators</i> , <b>2015</b> , 58, 335-345	5.8	16
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420	Molluscan assemblages under the influence of peat-draining rivers off East Sumatra, Indonesia. <b>2015</b> , 35, 81-94		4
419	Quantitative environmental risk assessments in the context of marine spatial management: current approaches and some perspectives. <b>2015</b> , 72, 1022-1042		47
418	Force majeure: Will climate change affect our ability to attain Good Environmental Status for marine biodiversity?. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 95, 7-27	6.7	73
417	Predicting ecological changes on benthic estuarine assemblages through decadal climate trends along Brazilian Marine Ecoregions. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 166, 74-82	2.9	56

416	Global patterns and predictors of fish species richness in estuaries. <b>2015</b> , 84, 1331-41		61
415	Estuarine intertidal meiofauna and nematode communities as indicator of ecosystem's recovery following mitigation measures. <i>Ecological Indicators</i> , <b>2015</b> , 54, 184-196	5.8	27
414	Do fish larvae have advantages over adults and other components for assessing estuarine ecological quality?. <i>Ecological Indicators</i> , <b>2015</b> , 55, 74-85	5.8	19
413	Spatio-temporal population and reproductive responses in <i>Perinereis gualpensis</i> (Polychaeta: Nereididae) from estuaries under different anthropogenic influences. <b>2015</b> , 31, 308-319		2
412	Can biotic indicators distinguish between natural and anthropogenic environmental stress in estuaries?. <b>2015</b> , 102, 10-21		30
411	Zooplankton structure and dynamics in two estuaries from the Atlantic coast in relation to multi-stressors exposure. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 167, 347-367	2.9	19
410	Distribution patterns of the demersal fish fauna on the inner continental shelf of Suriname. <i>Regional Studies in Marine Science</i> , <b>2015</b> , 2, 177-188	1.5	5
409	An evaluation of the weight of evidence approach to assess sediment quality in the Mvoti Estuary, KwaZulu-Natal, South Africa. <b>2015</b> , 40, 235-246		1
408	Habitat heterogeneity affects ecological functions of macrobenthic communities in a mangrove: Implication for the impact of restoration and afforestation. <b>2015</b> , 4, 423-433		27
407	The ecology, evolution, impacts and management of host-parasite interactions of marine molluscs. <b>2015</b> , 131, 177-211		20
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405	Inputs of anthropogenic nitrogen influence isotopic composition and trophic structure in SE Australian estuaries. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 100, 217-223	6.7	17
404	Spatio-temporal distribution patterns of the epibenthic community in the coastal waters of Suriname. <i>Continental Shelf Research</i> , <b>2015</b> , 108, 25-40	2.4	9
403	The performance of biomass-based AMBI in lagoonal ecosystems. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 99, 126-37	6.7	6
402	New Tools to Analyse the Ecological Status of Mediterranean Wetlands and Shallow Lakes. <b>2015</b> , 171-199		6
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400	A multi-molecular marker assessment of organic pollution in shore sediments from the Rõ de la Plata Estuary, SW Atlantic. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 91, 461-75	6.7	43
399	Effect of ecological group classification schemes on performance of the AMBI benthic index in US coastal waters. <i>Ecological Indicators</i> , <b>2015</b> , 50, 99-107	5.8	40



398	Freshwater scarcity effects on the aquatic macrofauna of a European Mediterranean-climate estuary. <b>2015</b> , 503-504, 213-21		32
397	A review on the ecological quality status assessment in aquatic systems using community based indicators and ecotoxicological tools: what might be the added value of their combination?. <i>Ecological Indicators</i> , <b>2015</b> , 48, 8-16	5.8	62
396	Estuarine ecological structure and functioning. <b>2016</b> , 157-193		2
395	Fish assemblages in a coastal bay adjacent to a network of marine protected areas in southern Brazil. <b>2016</b> , 64, 295-308		4
394	Benthic estuarine communities in Brazil: moving forward to long term studies to assess climate change impacts. <b>2016</b> , 64, 81-96		23
393	Managing the Marine Environment, Conceptual Models and Assessment Considerations for the European Marine Strategy Framework Directive. <i>Frontiers in Marine Science</i> , <b>2016</b> , 3,	4.5	32
392	What Is Marine Biodiversity? Towards Common Concepts and Their Implications for Assessing Biodiversity Status. <i>Frontiers in Marine Science</i> , <b>2016</b> , 3,	4.5	18
391	Effects of dredging operations on the demersal fish fauna of a South American tropical-subtropical transition estuary. <b>2016</b> , 89, 890-920		22
390	A review of Australian approaches for monitoring, assessing and reporting estuarine condition: I. International context and evaluation criteria. <i>Environmental Science and Policy</i> , <b>2016</b> , 66, 260-269	6.2	21
389	Evaluating ecological states of rocky intertidal communities: A Best Professional Judgment exercise. <i>Ecological Indicators</i> , <b>2016</b> , 60, 802-814	5.8	10
388	Palaeo-ecological quality status based on foraminifera of Boulogne-sur-Mer harbour (Pas-de-Calais, Northeastern France) over the last 200 years. <b>2016</b> , 117, 32-43		29
387	Classification efficiency of the B-IBI comparing water body size classes in Chesapeake Bay. <i>Ecological Indicators</i> , <b>2016</b> , 63, 144-153	5.8	4
386	'The past is the future of the present': Learning from long-time series of marine monitoring. <b>2016</b> , 566-567, 698-711		41
385	An experimental approach to assess <i>Corbicula fluminea</i> (Müller, 1774) resistance to osmotic stress in estuarine habitats. <i>Estuarine, Coastal and Shelf Science</i> , <b>2016</b> , 176, 110-116	2.9	13
384	Hydrodynamic properties of San Quintin Bay, Baja California: Merging models and observations. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 108, 203-14	6.7	6
383	Natural and human controls of water quality of an Amazon estuary (Caet <sup>2</sup> PA, Brazil). <b>2016</b> , 124, 42-52		19
382	Mid- to late-Holocene environmental evolution of the Loire estuary as observed from sedimentary characteristics and benthic foraminiferal assemblages. <b>2016</b> , 118, 17-34		9
381	Biomarker responses of mussels exposed to earthquake disturbances. <i>Estuarine, Coastal and Shelf Science</i> , <b>2016</b> , 182, 98-111	2.9	5

380	Artificial soft sediment resuspension and high density opportunistic macroalgal mat fragmentation as method for increasing sediment zoobenthic assemblage diversity in a eutrophic lagoon. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 110, 212-220	6.7	3
379	The biology of environmental stress: molecular biomarkers in Sydney rock oysters ( <i>Saccostrea glomerata</i> ). <b>2016</b> , 18, 1129-39		9
378	How functional traits of estuarine macrobenthic assemblages respond to metal contamination?. <i>Ecological Indicators</i> , <b>2016</b> , 71, 645-659	5.8	32
377	Spatial patterns of distribution and the influence of seasonal and abiotic factors on demersal ichthyofauna in an estuarine tropical bay. <b>2016</b> , 89, 821-46		32
376	Characterisation of a Tunisian coastal lagoon through hyperspectral underwater irradiance. <b>2016</b> , 41, 217-225		2
375	Is meiofauna community structure in Artificial Substrate Units a good tool to assess anthropogenic impact in estuaries?. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 110, 354-361	6.7	12
374	Benthic macrofaunal communities along an estuarine gradient in the Jiaojiang River estuary, China. <b>2016</b> , 19, 314-325		2
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372	Simple processes drive unpredictable differences in estuarine fish assemblages: Baselines for understanding site-specific ecological and anthropogenic impacts. <i>Estuarine, Coastal and Shelf Science</i> , <b>2016</b> , 170, 61-69	2.9	20
371	Effects of metal contamination in situ on osmoregulation and oxygen consumption in the mudflat fiddler crab <i>Uca rapax</i> (Ocypodidae, Brachyura). <b>2016</b> , 185-186, 102-111		13
370	Evaluation of abiotic stresses of temperate estuaries by using resident zooplankton: A community vs. population approach. <i>Estuarine, Coastal and Shelf Science</i> , <b>2016</b> , 170, 102-111	2.9	5
369	A test of biological trait analysis with nematodes and an anthropogenic stressor. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 140	3.1	4
368	Impact of a flood event on the zooplankton of an estuarine lake. <b>2016</b> , 12, 158-167		11
367	Using an integrated approach to assess the sediment quality of an estuary from the semi-arid coast of Brazil. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 104, 70-82	6.7	12
366	Patchy sediment contamination scenario and the habitat selection by an estuarine mudsnail. <b>2016</b> , 25, 412-8		7
365	Reducing spatial variation in environmental assessment of marine benthic fauna. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 104, 129-38	6.7	8
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342	Using Hydroacoustics to Describe Pelagic Fish Distribution in the Penobscot Estuary, Maine. <b>2017</b> , 146, 817-833		2
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340	A combination of salinity and pH affects the recruitment of <i>Gladioferens pectinatus</i> (Brady) (Copepoda; Calanoida). <b>2017</b> , 62, 1799-1809		1
339	Assessing candidate metrics for the ecological quality of TFTW (tidal freshwaters in transitional waters) in Ireland using benthic invertebrates. <b>2017</b> , 143, 115-121		2
338	Good or bad vibrations? Impacts of anthropogenic vibration on the marine epibenthos. <b>2017</b> , 595, 255-268		33
337	What are the factors driving long-term changes of the suprabenthos in the Seine estuary?. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 118, 307-318	6.7	4
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335	Crustacean assemblages of coastal wetlands from fragmented and scarcely isolated islands compared with the mainland. <b>2017</b> , 68, 889		1
334	The use of meiofauna in freshwater sediment assessments: Structural and functional responses of meiobenthic communities to metal and organics contamination. <i>Ecological Indicators</i> , <b>2017</b> , 78, 512-525	5.8	8
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331	Do structural and functional attributes show concordant responses to disturbance? Evidence from rocky shore macroinvertebrate communities. <i>Ecological Indicators</i> , <b>2017</b> , 75, 57-72	5.8	11
330	Functional changes in polychaete and mollusc communities in two tropical estuaries. <i>Estuarine, Coastal and Shelf Science</i> , <b>2017</b> , 187, 62-73	2.9	26
329	Ecological restoration assessment of Adyar creek and estuary using meiofaunal communities as ecological indicators for aquatic pollution. <i>Regional Studies in Marine Science</i> , <b>2017</b> , 9, 135-144	1.5	12
328	Microbial dynamics in a tropical monsoon influenced estuary: Elucidation through field observations and microcosm experiments on biofilms. <b>2017</b> , 497, 86-98		5
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314	Use of phytoplankton assemblages to assess the quality of coastal waters of a transitional ecosystem: R� de la Plata estuary. <i>Continental Shelf Research</i> , <b>2017</b> , 150, 10-17	2.4	10
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239	Epifaunal and infaunal responses to submarine mine tailings in a Norwegian fjord. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 149, 110560	6.7	9
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75	Fishes and Estuarine Environmental Health. <b>2022</b> , 332-379			7

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