

Karline E Soetaert

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

11,929
citations

23500

58
h-index

39575

94
g-index

263
all docs

263
docs citations

263
times ranked

10422
citing authors

#	ARTICLE	IF	CITATIONS
1	Trawling effects on biogeochemical processes are mediated by fauna in high-energy biogenic-reef-inhabited coastal sediments. <i>Biogeosciences</i> , 2022, 19, 2583-2598.	1.3	6
2	An Integrative Model of Carbon and Nitrogen Metabolism in a Common Deep-Sea Sponge (<i>Geodia</i>). <i>Frontiers in Marine Science</i> , 2021, 8, 712157.	1.2	15
3	Controlling CaCO ₃ Particle Size with {Ca ²⁺ }:{CO ₃ ²⁻ } Ratios in Aqueous Environments. <i>Crystal Growth and Design</i> , 2021, 21, 1576-1590.	1.4	12
4	Spatial Variability of Organic Matter and Phosphorus Cycling in Rhône River Prodelta Sediments (NW). <i>Frontiers in Marine Science</i> , 2021, 8, 712157.	1.0	10
5	Rapid organic matter cycling in North Sea sediments. <i>Continental Shelf Research</i> , 2021, 214, 104327.	0.9	14
6	Impact of bottom trawling on sediment biogeochemistry: a modelling approach. <i>Biogeosciences</i> , 2021, 18, 2539-2557.	1.3	25
7	Small-scale macrobenthic community structure along asymmetrical sand waves in an underwater seascape. <i>Marine Ecology</i> , 2021, 42, e12657.	0.4	4
8	Faunal and environmental drivers of carbon and nitrogen cycling along a permeability gradient in shallow North Sea sediments. <i>Science of the Total Environment</i> , 2021, 767, 144994.	3.9	18
9	Allometric scaling of faunal-mediated ecosystem functioning: A case study on two bioturbators in contrasting sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 254, 107323.	0.9	5
10	Offshore Windfarm Footprint of Sediment Organic Matter Mineralization Processes. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	11
11	Polymetallic nodules are essential for food-web integrity of a prospective deep-seabed mining area in Pacific abyssal plains. <i>Scientific Reports</i> , 2021, 11, 12238.	1.6	26
12	Direct evidence of a prey depletion "halo" surrounding a pelagic predator colony. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
13	Mind the Exposure Gaps: Modeling Chemical Transport in Sediment Toxicity Tests. <i>Environmental Science & Technology</i> , 2021, 55, 11885-11893.	4.6	7
14	Reef communities associated with "dead" cold-water coral framework drive resource retention and recycling in the deep sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 175, 103574.	0.6	18
15	Physical and electrical disturbance experiments uncover potential bottom fishing impacts on benthic ecosystem functioning. <i>Journal of Experimental Marine Biology and Ecology</i> , 2021, 545, 151628.	0.7	6
16	Sediment shell-content diminishes current-driven sand ripple development and migration. <i>Earth Surface Dynamics</i> , 2021, 9, 1335-1346.	1.0	4
17	Feedbacks between hydrodynamics and cold-water coral mound development. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 178, 103641.	0.6	10
18	The "AEMON" "Hacking Limnology" Workshop Series & Virtual Summit: Incorporating Data Science and Open Science in Aquatic Research. <i>Limnology and Oceanography Bulletin</i> , 2021, 30, 140-143.	0.2	4

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19	Quantifying functional consequences of habitat degradation on a Caribbean coral reef. <i>Biogeosciences</i> , 2021, 18, 6501-6516.	1.3	7
20	Hindcasting Ecosystem Functioning Change in an Anthropogenized Estuary: Implications for an Era of Global Change. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	1
21	Is summer growth reduction related to feeding guild? A test for a benthic juvenile flatfish sole (<i>Solea</i>) Tj ETQq1 1 0.784314 rgBT /Ove 235, 106570.	0.9	4
22	Spatio-temporal dynamics of sedimentary phosphorus along two temperate eutrophic estuaries: A data-modelling approach. <i>Continental Shelf Research</i> , 2020, 193, 104037.	0.9	8
23	Linking large-scale circulation patterns to the distribution of cold water corals along the eastern Rockall Bank (northeast Atlantic). <i>Journal of Marine Systems</i> , 2020, 212, 103456.	0.9	7
24	Simulation and non-linear optimization of ÅestÅ;k-Berggren kinetics. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120391.	1.5	2
25	The BenBioDen database, a global database for meio-, macro- and megabenthic biomass and densities. <i>Scientific Data</i> , 2020, 7, 206.	2.4	18
26	Seasonal variability in ecosystem functioning across estuarine gradients: The role of sediment communities and ecosystem processes. <i>Marine Environmental Research</i> , 2020, 162, 105096.	1.1	7
27	Abyssal food-web model indicates faunal carbon flow recovery and impaired microbial loop 26Åyears after a sediment disturbance experiment. <i>Progress in Oceanography</i> , 2020, 189, 102446.	1.5	26
28	Spatial Self-Organization as a New Perspective on Cold-Water Coral Mound Development. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	13
29	Hydrodynamic variability in the Southern Bight of the North Sea in response to typical atmospheric and tidal regimes. Benefit of using a high resolution model. <i>Ocean Modelling</i> , 2020, 154, 101682.	1.0	11
30	Ocean Alkalinity, Buffering and Biogeochemical Processes. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000681.	9.0	124
31	Biological and biogeochemical methods for estimating bioirrigation: a case study in the Oosterschelde estuary. <i>Biogeosciences</i> , 2020, 17, 1701-1715.	1.3	8
32	Effects of sea-level rise on tides and sediment dynamics in a Dutch tidal bay. <i>Ocean Science</i> , 2020, 16, 307-321.	1.3	16
33	Ecosystem Functioning Under the Influence of Bottom-Trawling Disturbance: An Experimental Approach and Field Observations From a Continental Slope Area in the West Iberian Margin. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	11
34	Sediment Characteristics over Asymmetrical Tidal Sand Waves in the Dutch North Sea. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 409.	1.2	14
35	Experimental bottom trawling finds resilience in large-bodied infauna but vulnerability for epifauna and juveniles in the Frisian Front. <i>Marine Environmental Research</i> , 2020, 159, 104964.	1.1	25
36	Effects of salt marsh restoration on eukaryotic microbenthic communities in the Yangtze Estuary. <i>Marine Ecology - Progress Series</i> , 2020, 638, 39-50.	0.9	6

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37	Drivers of the spatial phytoplankton gradient in estuarine coastal systems: generic implications of a case study in a Dutch tidal bay. <i>Biogeosciences</i> , 2020, 17, 4135-4152.	1.3	11
38	The SCOC database, a large, open, and global database with sediment community oxygen consumption rates. <i>Scientific Data</i> , 2019, 6, 242.	2.4	13
39	Critical transitions in suspended sediment dynamics in a temperate meso-tidal estuary. <i>Scientific Reports</i> , 2019, 9, 12745.	1.6	16
40	Spatio-temporal variability in benthic exchanges at the sediment-water interface of a shallow tropical coastal lagoon (south coast of Gulf of Mexico). <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 368-380.	0.9	18
41	Comparing physical and biological impacts on seston renewal in a tidal bay with extensive shellfish culture. <i>Journal of Marine Systems</i> , 2019, 194, 102-110.	0.9	13
42	Acute impacts of bottom trawl gears on benthic metabolism and nutrient cycling. <i>ICES Journal of Marine Science</i> , 2019, 76, 1917-1930.	1.2	33
43	Spatio-temporal variation in sediment ecosystem processes and roles of key biota in the Scheldt estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 222, 21-31.	0.9	16
44	Degradation of macroalgal detritus in shallow coastal Antarctic sediments. <i>Limnology and Oceanography</i> , 2019, 64, 1423-1441.	1.6	47
45	Decomposing the intra-annual variability of flushing characteristics in a tidal bay along the North Sea. <i>Journal of Sea Research</i> , 2019, 155, 101821.	0.6	11
46	Trophic structure of cold-water coral communities revealed from the analysis of tissue isotopes and fatty acid composition. <i>Marine Biology Research</i> , 2018, 14, 287-306.	0.3	13
47	Modelling the interactions of the hydrothermal mussel <i>Bathymodiolus azoricus</i> with vent fluid. <i>Ecological Modelling</i> , 2018, 377, 35-50.	1.2	3
48	Global Carbon Cycling on a Heterogeneous Seafloor. <i>Trends in Ecology and Evolution</i> , 2018, 33, 96-105.	4.2	117
49	Video Transects Reveal That Tidal Sand Waves Affect the Spatial Distribution of Benthic Organisms and Sand Ripples. <i>Geophysical Research Letters</i> , 2018, 45, 11,837.	1.5	31
50	Modelling Marine Sediment Biogeochemistry: Current Knowledge Gaps, Challenges, and Some Methodological Advice for Advancement. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	36
51	Carbon-13 labelling shows no effect of ocean acidification on carbon transfer in Mediterranean plankton communities. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 186, 100-111.	0.9	10
52	A seasonal study of particulate organic matter composition and quality along an offshore transect in the southern North Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 188, 1-11.	0.9	8
53	Substrate origin and morphology differentially determine oxygen dynamics in two major European estuaries, the Elbe and the Schelde. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 191, 157-170.	0.9	4
54	Autochthonous and allochthonous contributions of organic carbon to microbial food webs in Svalbard fjords. <i>Limnology and Oceanography</i> , 2017, 62, 1307-1323.	1.6	28

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55	Field estimates of flocculation dynamics and settling velocities in a tidal creek with significant along-channel gradients in velocity and SPM. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 197, 221-235.	0.9	19
56	Tune in on 11.57â€”ÂµHz and listen to primary production. <i>Biogeosciences</i> , 2017, 14, 5271-5280.	1.3	1
57	Tracing Nitrate-Nitrogen Sources and Modifications in a Stream Impacted by Various Land Uses, South Portugal. <i>Water (Switzerland)</i> , 2016, 8, 385.	1.2	10
58	Integrating sediment biogeochemistry into 3D oceanic models: A study of benthic-pelagic coupling in the Black Sea. <i>Ocean Modelling</i> , 2016, 101, 83-100.	1.0	47
59	Budget of organic carbon in the <sc>N</sc>orthâ€”<sc>W</sc>estern <sc>M</sc>editerranean open sea over the period 2004â€”2008 using 3â€” coupled physicalâ€”biogeochemical modeling. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7026-7055.	1.0	25
60	Ecosystem engineering creates a direct nutritional link between 600-m deep cold-water coral mounds and surface productivity. <i>Scientific Reports</i> , 2016, 6, 35057.	1.6	62
61	Predator effects on the feeding and bioirrigation activity of ecosystem-engineered <i>Lanice conchilega</i> reefs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016, 475, 31-37.	0.7	11
62	<i>Lanice conchilega</i> structures carbon flows in soft-bottom intertidal areas. <i>Marine Ecology - Progress Series</i> , 2016, 552, 47-60.	0.9	9
63	Estimating primary production from oxygen time series: A novel approach in the frequency domain. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 529-552.	1.0	13
64	Glacial meltwater and primary production are drivers of strong CO ₂ uptake in fjord and coastal waters adjacent to the Greenland Ice Sheet. <i>Biogeosciences</i> , 2015, 12, 2347-2363.	1.3	82
65	Temporal dynamics in a shallow coastal benthic food web: Insights from fatty acid biomarkers and their stable isotopes. <i>Marine Environmental Research</i> , 2015, 108, 55-68.	1.1	19
66	Biogeochemical consequences of vertical and lateral transport of particulate organic matter in the southern North Sea: A multiproxy approach. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 165, 117-127.	0.9	21
67	Effect of ocean warming and acidification on a plankton community in the NW Mediterranean Sea. <i>ICES Journal of Marine Science</i> , 2015, 72, 1744-1755.	1.2	30
68	Empirical Evidence Reveals Seasonally Dependent Reduction in Nitrification in Coastal Sediments Subjected to Near Future Ocean Acidification. <i>PLoS ONE</i> , 2014, 9, e108153.	1.1	36
69	Linking benthic hydrodynamics and cold-water coral occurrences: A high-resolution model study at three cold-water coral provinces in the NE Atlantic. <i>Progress in Oceanography</i> , 2014, 122, 92-104.	1.5	100
70	Variable Importance of Macrofaunal Functional Biodiversity for Biogeochemical Cycling in Temperate Coastal Sediments. <i>Ecosystems</i> , 2014, 17, 720.	1.6	78
71	Dissolved inorganic and organic nitrogen uptake in the coastal North Sea: A seasonal study. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 147, 78-86.	0.9	13
72	Solving boundary value problems in the open source software R: package bvpSolve. <i>Opuscula Mathematica</i> , 2014, 34, 387.	0.3	29

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73	Modelling benthic oxygen consumption and benthic-pelagic coupling at a shallow station in the southern North Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 120, 1-11.	0.9	36
74	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. <i>BioScience</i> , 2013, 63, 35-42.	2.2	34
75	Carbon processing at the deep-sea floor of the Arabian Sea oxygen minimum zone: A tracer approach. <i>Journal of Sea Research</i> , 2013, 78, 45-58.	0.6	11
76	Dissolved organic matter uptake in a temperate seagrass ecosystem. <i>Marine Ecology - Progress Series</i> , 2013, 478, 87-100.	0.9	19
77	Meiofauna Metabolism in Suboxic Sediments: Currently Overestimated. <i>PLoS ONE</i> , 2013, 8, e59289.	1.1	40
78	Nematode feeding strategies and the fate of dissolved organic matter carbon in different deep-sea sedimentary environments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 80, 94-110.	0.6	15
79	Microbial bioavailability regulates organic matter preservation in marine sediments. <i>Biogeosciences</i> , 2013, 10, 1131-1141.	1.3	54
80	The role of hydrodynamics in structuring in situ ammonium uptake within a submerged macrophyte community. <i>Limnology & Oceanography Fluids & Environments</i> , 2013, 3, 210-224.	1.7	19
81	A ^{13}C labelling study on carbon fluxes in Arctic plankton communities under elevated CO_2 levels. <i>Biogeosciences</i> , 2013, 10, 1425-1440.	1.3	36
82	Impact of global change on coastal oxygen dynamics and risk of hypoxia. <i>Biogeosciences</i> , 2013, 10, 2633-2653.	1.3	65
83	Sink or link? The bacterial role in benthic carbon cycling in the Arabian Sea's oxygen minimum zone. <i>Biogeosciences</i> , 2013, 10, 6879-6891.	1.3	14
84	Trophic Dynamics of Deep-Sea Megabenthos Are Mediated by Surface Productivity. <i>PLoS ONE</i> , 2013, 8, e63796.	1.1	28
85	Carbon flows in the benthic food web of the Porcupine Abyssal Plain: The (un)importance of labile detritus in supporting microbial and faunal carbon demands. <i>Limnology and Oceanography</i> , 2012, 57, 645-664.	1.6	43
86	Temporal dynamics in the diet of two marine polychaetes as inferred from fatty acid biomarkers. <i>Journal of Sea Research</i> , 2012, 68, 6-19.	0.6	21
87	Solving Delay Differential Equations in R. , 2012, , 123-135.		0
88	Solving Partial Differential Equations in R. , 2012, , 157-185.		0
89	Modelling the impact of Siboglinids on the biogeochemistry of the Captain Arutyunov mud volcano (Gulf of Cadiz). <i>Biogeosciences</i> , 2012, 9, 5341-5352.	1.3	3
90	Balance of assimilative and dissimilative nitrogen processes in a diatom-rich tidal flat sediment. <i>Biogeosciences</i> , 2012, 9, 4059-4070.	1.3	13

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91	Solving Differential Equations in R. , 2012, , .		69
92	Importance of phytodetritus and microphytobenthos for heterotrophs in a shallow subtidal sandy sediment. <i>Marine Ecology - Progress Series</i> , 2012, 455, 13-31.	0.9	47
93	Solving Boundary Value Problems in R. , 2012, , 207-238.		0
94	Solving Ordinary Differential Equations in R. , 2012, , 41-80.		7
95	A Test Set for stiff Initial Value Problem Solvers in the open source software R: Package deTestSet. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 4119-4131.	1.1	14
96	Reactive transport in aquatic ecosystems: Rapid model prototyping in the open source software R. <i>Environmental Modelling and Software</i> , 2012, 32, 49-60.	1.9	106
97	Combining Monitoring Data and Modeling Identifies PAHs as Emerging Contaminants in the Arctic. <i>Environmental Science & Technology</i> , 2011, 45, 9024-9029.	4.6	84
98	Potential uptake of dissolved organic matter by seagrasses and macroalgae. <i>Marine Ecology - Progress Series</i> , 2011, 427, 71-81.	0.9	41
99	Contrasting macrobenthic activities differentially affect nematode density and diversity in a shallow subtidal marine sediment. <i>Marine Ecology - Progress Series</i> , 2011, 422, 179-191.	0.9	74
100	Plankton dynamics in an estuarine plume: a mesocosm 13C and 15N tracer study. <i>Marine Ecology - Progress Series</i> , 2011, 429, 29-43.	0.9	20
101	Carbon flows in the benthic food web at the deep-sea observatory HAUSGARTEN (Fram Strait). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 1069-1083.	0.6	42
102	Canyon conditions impact carbon flows in food webs of three sections of the NazarÄ© canyon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 2461-2476.	0.6	71
103	Modeling biogeochemical processes in sediments from the RhÃne River prodelta area (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T E.3 43		
104	Biological vs. Physical Mixing Effects on Benthic Food Web Dynamics. <i>PLoS ONE</i> , 2011, 6, e18078.	1.1	39
105	Modelling Marine Biological and Biogeochemical Data. , 2011, , .		0
106	Oxygen minimum seafloor ecological (mal) functioning. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 398, 91-100.	0.7	14
107	Carbon and nitrogen flows during a bloom of the coccolithophore <i>Emiliana huxleyi</i> : Modelling a mesocosm experiment. <i>Journal of Marine Systems</i> , 2011, 85, 71-85.	0.9	20
108	Food web flows through a sub-arctic deep-sea benthic community. <i>Progress in Oceanography</i> , 2011, 91, 245-259.	1.5	36

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109	Estimating marine biogeochemical rates of the carbonate pH system—A Kalman filter tested. <i>Ecological Modelling</i> , 2011, 222, 1929-1942.	1.2	4
110	Inverse Modeling in Modern Ecology and Application to Coastal Ecosystems. , 2011, , 115-133.		14
111	Modeling photosynthesis-irradiance curves: Effects of temperature, dissolved silica depletion, and changing community assemblage on community photosynthesis. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 424-440.	1.0	3
112	Role of macrofauna functional traits and density in biogeochemical fluxes and bioturbation. <i>Marine Ecology - Progress Series</i> , 2010, 399, 173-186.	0.9	164
113	Proton cycling, buffering, and reaction stoichiometry in natural waters. <i>Marine Chemistry</i> , 2010, 121, 246-255.	0.9	25
114	Quantifying Food Web Flows Using Linear Inverse Models. <i>Ecosystems</i> , 2010, 13, 32-45.	1.6	113
115	AquaEnv : An Aquatic Acid–Base Modelling Environment in R. <i>Aquatic Geochemistry</i> , 2010, 16, 507-546.	1.5	77
116	Modeling Growth, Carbon Allocation and Nutrient Budgets of <i>Phragmites australis</i> in Lake Burullus, Egypt. <i>Wetlands</i> , 2010, 30, 240-251.	0.7	38
117	Dissolved organic nitrogen dynamics in the North Sea: A time series analysis (1995–2005). <i>Estuarine, Coastal and Shelf Science</i> , 2010, 89, 31-42.	0.9	32
118	Inferring chemical effects on carbon flows in aquatic food webs: Methodology and case study. <i>Environmental Pollution</i> , 2010, 158, 1775-1782.	3.7	15
119	Different proxies for the reactivity of aquatic sediments towards oxygen: A model assessment. <i>Ecological Modelling</i> , 2010, 221, 2054-2067.	1.2	2
120	Carbon, nitrogen, oxygen and sulfide budgets in the Black Sea: A biogeochemical model of the whole water column coupling the oxic and anoxic parts. <i>Ecological Modelling</i> , 2010, 221, 2287-2301.	1.2	25
121	Respiration partitioning in contrasting subtidal sediments: seasonality and response to a spring phytoplankton deposition. <i>Marine Ecology</i> , 2010, 31, 276-290.	0.4	31
122	Phytoplankton-bacteria coupling under elevated CO ₂ levels: a stable isotope labelling study. <i>Biogeosciences</i> , 2010, 7, 3783-3797.	1.3	34
123	Nutritional importance of benthic bacteria for deep-sea nematodes from the Arctic ice margin: Results of an isotope tracer experiment. <i>Limnology and Oceanography</i> , 2010, 55, 1977-1989.	1.6	53
124	Solving Differential Equations in R. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	18
125	Seasonal and long-term changes in pH in the Dutch coastal zone. <i>Biogeosciences</i> , 2010, 7, 3869-3878.	1.3	99
126	Seasonal PCB Bioaccumulation in an Arctic Marine Ecosystem: A Model Analysis Incorporating Lipid Dynamics, Food-Web Productivity and Migration. <i>Environmental Science & Technology</i> , 2010, 44, 356-361.	4.6	38

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127	Sediment bioavailable organic matter, deposition rates and mixing intensity in the Setúbal-Lisbon canyon and adjacent slope (Western Iberian Margin). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 1012-1026.	0.6	20
128	Uncertainties in ecological, chemical and physiological parameters of a bioaccumulation model: Implications for internal concentrations and tissue based risk quotients. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 240-246.	2.9	15
129	Ecological significance of hazardous concentrations in a planktonic food web. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 247-253.	2.9	4
130	Inverse Modelling, Sensitivity and Monte Carlo Analysis in <i>R</i> Using Package <i>FME</i> . <i>Journal of Statistical Software</i> , 2010, 33, .	1.8	446
131	Solving Differential Equations in <i>R</i> : Package <i>deSolve</i> . <i>Journal of Statistical Software</i> , 2010, 33, .	1.8	985
132	Solving Differential Equations in <i>R</i> . <i>R Journal</i> , 2010, 2, 5.	0.7	52
133	Carbon transfer in a herbivore- and microbial loop-dominated pelagic food webs in the southern Barents Sea during spring and summer. <i>Marine Ecology - Progress Series</i> , 2010, 398, 93-107.	0.9	40
134	Carbon and nitrogen flows through the benthic food web of a photic subtidal sandy sediment. <i>Marine Ecology - Progress Series</i> , 2010, 416, 1-16.	0.9	63
135	Modeling Food Web Interactions in Benthic Deep-Sea Ecosystems: A Practical Guide. <i>Oceanography</i> , 2009, 22, 128-143.	0.5	50
136	A macro-tidal freshwater ecosystem recovering from hypereutrophication: the Schelde case study. <i>Biogeosciences</i> , 2009, 6, 2935-2948.	1.3	46
137	The cold-water coral community as hotspot of carbon cycling on continental margins: A food web analysis from Rockall Bank (northeast Atlantic). <i>Limnology and Oceanography</i> , 2009, 54, 1829-1844.	1.6	179
138	Are network indices robust indicators of food web functioning? A Monte Carlo approach. <i>Ecological Modelling</i> , 2009, 220, 370-382.	1.2	145
139	Carbon sources supporting a diverse fish community in a tropical coastal ecosystem (Gazi Bay, Kenya). <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 333-341.	0.9	48
140	Modeling eutrophication and oligotrophication of shallow-water marine systems: the importance of sediments under stratified and well-mixed conditions. <i>Hydrobiologia</i> , 2009, 629, 239-254.	1.0	65
141	Amino acid biogeochemistry and organic matter degradation state across the Pakistan margin oxygen minimum zone. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 376-392.	0.6	81
142	Factors affecting nematode biomass, length and width from the shelf to the deep sea. <i>Marine Ecology - Progress Series</i> , 2009, 392, 123-132.	0.9	58
143	Incorporating Ecological Data and Associated Uncertainty in Bioaccumulation Modeling: Methodology Development and Case Study. <i>Environmental Science & Technology</i> , 2009, 43, 2620-2626.	4.6	16
144	Autochthonous and allochthonous contributions to mesozooplankton diet in a tidal river and estuary: Integrating carbon isotope and fatty acid constraints. <i>Limnology and Oceanography</i> , 2009, 54, 62-74.	1.6	73

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145	Modeling eutrophication and oligotrophication of shallow-water marine systems: the importance of sediments under stratified and well-mixed conditions. , 2009, , 239-254.		10
146	Organic matter input and processing in two contrasting North Sea sediments: insights from stable isotope and biomass data. <i>Marine Ecology - Progress Series</i> , 2009, 380, 19-32.	0.9	16
147	Carbon and nitrogen cycling on intertidal mudflats of a temperate Australian estuary. IV. Inverse model analysis and synthesis. <i>Marine Ecology - Progress Series</i> , 2009, 394, 35-48.	0.9	32
148	pH modelling in aquatic systems with time-variable acid-base dissociation constants applied to the turbid, tidal Scheldt estuary. <i>Biogeosciences</i> , 2009, 6, 1539-1561.	1.3	31
149	Simple parameterisations for describing N and P diagenetic processes: Application in the North Sea. <i>Progress in Oceanography</i> , 2008, 76, 89-110.	1.5	23
150	Deposition rates, mixing intensity and organic content in two contrasting submarine canyons. <i>Progress in Oceanography</i> , 2008, 76, 192-215.	1.5	34
151	Numerical modeling of the central Black Sea ecosystem functioning during the eutrophication phase. <i>Progress in Oceanography</i> , 2008, 76, 286-333.	1.5	46
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