

Jack J Middelburg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

439
papers

31,386
citations

84
h-index

163
g-index

493
ext. papers

35,687
ext. citations

4.8
avg, IF

7.2
L-index

#	Paper	IF	Citations
439	Exploring Seasonal and Annual Nitrogen Transfer and Ecological Response in River-Coast Continuums Based on Spatially Explicit Models. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022 , 127,	3.7	1
438	Giant sponge grounds of Central Arctic seamounts are associated with extinct seep life.. <i>Nature Communications</i> , 2022 , 13, 638	17.4	1
437	The impact of mobile demersal fishing on carbon storage in seabed sediments.. <i>Global Change Biology</i> , 2022 ,	11.4	2
436	Aragonite dissolution protects calcite at the seafloor.. <i>Nature Communications</i> , 2022 , 13, 1104	17.4	2
435	RADIV1: a non-steady-state early diagenetic model for ocean sediments in Julia and MATLAB/GNU Octave. <i>Geoscientific Model Development</i> , 2022 , 15, 2105-2131	6.3	0
434	Exploring Spatially Explicit Changes in Carbon Budgets of Global River Basins during the 20th Century. <i>Environmental Science & Technology</i> , 2021 ,	10.3	2
433	Interaction Between Oxygen Consumption and Carbon Dioxide Emission in a Subtropical Hypoxic Reservoir, Southeastern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG0061733	3.7	2
432	Calcium carbonate dissolution patterns in the ocean. <i>Nature Geoscience</i> , 2021 , 14, 423-428	18.3	6
431	Introducing GloRiSe 1.0 global database on river sediment composition. <i>Earth System Science Data</i> , 2021 , 13, 3565-3575	10.5	1
430	Carbon and Hydrogen Isotope Signatures of Dissolved Methane in the Scheldt Estuary. <i>Estuaries and Coasts</i> , 2021 , 44, 137-146	2.8	2
429	Imaging of organic signals in individual fossil diatom frustules with nanoSIMS and Raman spectroscopy. <i>Marine Chemistry</i> , 2021 , 228, 103906	3.7	2
428	An Integrative Model of Carbon and Nitrogen Metabolism in a Common Deep-Sea Sponge (<i>Geodia barretti</i>). <i>Frontiers in Marine Science</i> , 2021 , 7,	4.5	6
427	What global biogeochemical consequences will marine animal-sediment interactions have during climate change?. <i>Elementa</i> , 2021 , 9,	3.6	2
426	Cell Cycle, Filament Growth and Synchronized Cell Division in Multicellular Cable Bacteria. <i>Frontiers in Microbiology</i> , 2021 , 12, 620807	5.7	3
425	Harmful Algal Blooms in Chinese Coastal Waters Will Persist Due to Perturbed Nutrient Ratios. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 276-284	11	15
424	Bacterial precursors and unsaturated long-chain fatty acids are biomarkers of North-Atlantic deep-sea demosponges. <i>PLoS ONE</i> , 2021 , 16, e0241095	3.7	4
423	Drivers of nitrogen and phosphorus dynamics in a groundwater-fed urban catchment revealed by high-frequency monitoring. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 69-87	5.5	2

422	Reconstructing the diet, trophic level and migration pattern of mysticete whales based on baleen isotopic composition.. <i>Royal Society Open Science</i> , 2021 , 8, 210949	3.3	0
421	Rapid post-mortem oxygen isotope exchange in biogenic silica. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 284, 61-74	5.5	0
420	Soothsaying DOM: A Current Perspective on the Future of Oceanic Dissolved Organic Carbon. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	16
419	Ocean Alkalinity, Buffering and Biogeochemical Processes. <i>Reviews of Geophysics</i> , 2020 , 58, e2019RG000681	4.5	28
418	Warming stimulates sediment denitrification at the expense of anaerobic ammonium oxidation. <i>Nature Climate Change</i> , 2020 , 10, 349-355	21.4	22
417	Assessing branched tetraether lipids as tracers of soil organic carbon transport through the Carminowe Creek catchment (southwest England). <i>Biogeosciences</i> , 2020 , 17, 3183-3201	4.6	10
416	Distribution of chlorine and fluorine in benthic foraminifera. <i>Biogeosciences</i> , 2020 , 17, 4727-4743	4.6	2
415	Paratethys pacing of the Messinian Salinity Crisis: Low salinity waters contributing to gypsum precipitation?. <i>Earth and Planetary Science Letters</i> , 2020 , 532, 116029	5.3	16
414	Are nutrients retained by river damming?. <i>National Science Review</i> , 2020 , 7, 1458	10.8	2
413	Modeling Process-Based Biogeochemical Dynamics in Surface Fresh Waters of Large Watersheds With the IMAGE-DGNM Framework. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001796	7.1	5
412	Estimating dissolved carbon concentrations in global soils: a global database and model. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	2
411	Exploring Long-Term Changes in Silicon Biogeochemistry Along the River Continuum of the Rhine and Yangtze (Changjiang). <i>Environmental Science & Technology</i> , 2020 , 54, 11940-11950	10.3	4
410	Division of labor and growth during electrical cooperation in multicellular cable bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5478-5485	11.5	24
409	Marine Carbon Biogeochemistry. <i>SpringerBriefs in Earth System Sciences</i> , 2019 ,	1	28
408	Carbon Processing at the Seafloor. <i>SpringerBriefs in Earth System Sciences</i> , 2019 , 57-75	1	9
407	Primary Production: From Inorganic to Organic Carbon. <i>SpringerBriefs in Earth System Sciences</i> , 2019 , 9-35	1	2
406	Hydrogen isotope fractionation response to salinity and alkalinity in a calcifying strain of <i>Emiliania huxleyi</i> . <i>Organic Geochemistry</i> , 2019 , 134, 62-65	3.1	1
405	Harmful algae and export production collapse in the equatorial Atlantic during the zenith of Middle Eocene Climatic Optimum warmth. <i>Geology</i> , 2019 , 47, 247-250	5	12

404	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , 2019 , 10, 1106	17.4	57
403	Post-depositional overprinting of chromium in foraminifera. <i>Earth and Planetary Science Letters</i> , 2019 , 515, 100-111	5.3	20
402	Mineral formation induced by cable bacteria performing long-distance electron transport in marine sediments. <i>Biogeosciences</i> , 2019 , 16, 811-829	4.6	9
401	The 405 kyr and 2.4 Myr eccentricity components in Cenozoic carbon isotope records. <i>Climate of the Past</i> , 2019 , 15, 91-104	3.9	10
400	Cenozoic carbonate burial along continental margins. <i>Geology</i> , 2019 , 47, 1025-1028	5	4
399	Organic Matter is more than CH ₂ O. <i>SpringerBriefs in Earth System Sciences</i> , 2019 , 107-118	1	1
398	The Return from Organic to Inorganic Carbon. <i>SpringerBriefs in Earth System Sciences</i> , 2019 , 37-56	1	2
397	Biogeochemical Processes and Inorganic Carbon Dynamics. <i>SpringerBriefs in Earth System Sciences</i> , 2019 , 77-105	1	4
396	Secular variations in the carbonate chemistry of the oceans over the Cenozoic. <i>Earth and Planetary Science Letters</i> , 2019 , 512, 194-206	5.3	10
395	Drivers of Microbial Carbon Fluxes Variability in Two Oligotrophic Mediterranean Coastal Systems. <i>Scientific Reports</i> , 2019 , 9, 17669	4.9	6
394	Dark carbon fixation in the Arabian Sea oxygen minimum zone contributes to sedimentary organic carbon (SOM). <i>Global Biogeochemical Cycles</i> , 2019 , 33, 1715-1732	5.9	15
393	Stable isotope tracers: Enriching our perspectives and questions on sources, fates, rates, and pathways of major elements in aquatic systems. <i>Limnology and Oceanography</i> , 2019 , 64, 950-981	4.8	41
392	Phosphorus Cycling and Burial in Sediments of a Seasonally Hypoxic Marine Basin. <i>Estuaries and Coasts</i> , 2018 , 41, 921-939	2.8	7
391	Methane Feedbacks to the Global Climate System in a Warmer World. <i>Reviews of Geophysics</i> , 2018 , 56, 207-250	23.1	200
390	Middle Eocene greenhouse warming facilitated by diminished weathering feedback. <i>Nature Communications</i> , 2018 , 9, 2877	17.4	23
389	Modelling Marine Sediment Biogeochemistry: Current Knowledge Gaps, Challenges, and Some Methodological Advice for Advancement. <i>Frontiers in Marine Science</i> , 2018 , 5,	4.5	17
388	Assimilation of ancient organic carbon by zooplankton in Tibetan Plateau lakes is depending on watershed characteristics. <i>Limnology and Oceanography</i> , 2018 , 63, 2359-2371	4.8	4
387	Niche overlap between a cold-water coral and an associated sponge for isotopically-enriched particulate food sources. <i>PLoS ONE</i> , 2018 , 13, e0194659	3.7	6

386	Seasonal variability in the abundance and stable carbon-isotopic composition of lipid biomarkers in suspended particulate matter from a stratified equatorial lake (Lake Chala, Kenya/Tanzania): Implications for the sedimentary record. <i>Quaternary Science Reviews</i> , 2018 , 192, 208-224	3.9	34
385	The role of calcification in carbonate compensation. <i>Nature Geoscience</i> , 2018 , 11, 894-900	18.3	25
384	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2018 , 5,	4.5	136
383	Reviews and syntheses: to the bottom of carbon processing at the seafloor. <i>Biogeosciences</i> , 2018 , 15, 413-427	4.6	73
382	Tropical Atlantic climate and ecosystem regime shifts during the Paleocene-Eocene Thermal Maximum. <i>Climate of the Past</i> , 2018 , 14, 39-55	3.9	27
381	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	2.9	7
380	A reevaluation of the magnitude and impacts of anthropogenic atmospheric nitrogen inputs on the ocean. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 289	5.9	65
379	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	2.9	3
378	Extreme warmth and heat-stressed plankton in the tropics during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , 2017 , 3, e1600891	14.3	77
377	Benthic primary producers are key to sustain the Wadden Sea food web: stable carbon isotope analysis at landscape scale. <i>Ecology</i> , 2017 , 98, 1498-1512	4.6	78
376	Autochthonous and allochthonous contributions of organic carbon to microbial food webs in Svalbard fjords. <i>Limnology and Oceanography</i> , 2017 , 62, 1307-1323	4.8	18
375	Glendonites track methane seepage in Mesozoic polar seas. <i>Geology</i> , 2017 , 45, 503-506	5	26
374	What proportion of riverine nutrients reaches the open ocean?. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 39-58	5.9	79
373	Seasonal variability in phytoplankton stable carbon isotope ratios and bacterial carbon sources in a shallow Dutch lake. <i>Limnology and Oceanography</i> , 2017 , 62, 2773-2787	4.8	14
372	Sources of organic matter for bacteria in sediments of Lake Rotsee, Switzerland. <i>Journal of Paleolimnology</i> , 2017 , 58, 391-402	2.1	4
371	Microbial carbon processing in oligotrophic Lake Lucerne (Switzerland): results of in situ ¹³ C-labelling studies. <i>Biogeochemistry</i> , 2017 , 136, 131-149	3.8	3
370	Fate of microphytobenthos nitrogen in subtropical subtidal sediments: A ¹⁵ N pulse-chase study. <i>Limnology and Oceanography</i> , 2016 , 61, 2108-2121	4.8	14
369	An alternative model for CaCO ₃ over-shooting during the PETM: Biological carbonate compensation. <i>Earth and Planetary Science Letters</i> , 2016 , 453, 223-233	5.3	12

368	Carbon flows in eutrophic Lake Rotsee: a ^{13}C -labelling experiment. <i>Biogeochemistry</i> , 2016 , 131, 147-162	3.8	3
367	Effects of Oxygen Loss on Carbon Processing and Heterotrophic Prokaryotes from an Estuarine Ecosystem: Results from Stable Isotope Probing and Cytometry Analyses. <i>Estuaries and Coasts</i> , 2016 , 39, 992-1005	2.8	1
366	Diet shifts and population dynamics of estuarine foraminifera during ecosystem recovery after experimentally induced hypoxia crises. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 170, 20-33	2.9	4
365	Global riverine N and P transport to ocean increased during the 20th century despite increased retention along the aquatic continuum. <i>Biogeosciences</i> , 2016 , 13, 2441-2451	4.6	201
364	Patterns of carbon processing at the seafloor: the role of faunal and microbial communities in moderating carbon flows. <i>Biogeosciences</i> , 2016 , 13, 4343-4357	4.6	28
363	Food selectivity and processing by the cold-water coral <i>Lophelia pertusa</i> . <i>Biogeosciences</i> , 2016 , 13, 5789-5798	4.6	15
362	Pollution and Oral Bioaccessibility of Pb in Soils of Villages and Cities with a Long Habitation History. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 221	4.6	12
361	Factors Controlling the Stable Nitrogen Isotopic Composition ($\delta^{15}\text{N}$) of Lipids in Marine Animals. <i>PLoS ONE</i> , 2016 , 11, e0146321	3.7	15
360	Impact of trophic state on the distribution of intact polar lipids in surface waters of lakes. <i>Limnology and Oceanography</i> , 2016 , 61, 1065-1077	4.8	14
359	Coral mucus fuels the sponge loop in warm- and cold-water coral reef ecosystems. <i>Scientific Reports</i> , 2016 , 6, 18715	4.9	105
358	Attributing seasonal pH variability in surface ocean waters to governing factors. <i>Geophysical Research Letters</i> , 2016 , 43, 12,528	4.9	16
357	Generalised expressions for the response of pH to changes in ocean chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 187, 334-349	5.5	17
356	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	3.3	15
355	Oceanography. Escape by dilution. <i>Science</i> , 2015 , 348, 290	33.3	7
354	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	2.9	12
353	DIFFERENTIAL RESPONSE OF INTERTIDAL FORAMINIFERA TO COMMUNITY RECOVERY FOLLOWING EXPERIMENTALLY INDUCED HYPOXIA. <i>Journal of Foraminiferal Research</i> , 2015 , 45, 220-234	1.1	6
352	Factors controlling the oral bioaccessibility of anthropogenic Pb in polluted soils. <i>Science of the Total Environment</i> , 2015 , 506-507, 149-63	10.2	46
351	Discovery of symbiotic nitrogen fixation and chemoautotrophy in cold-water corals. <i>Scientific Reports</i> , 2015 , 5, 17962	4.9	38

350	Gas hydrate dissociation prolongs acidification of the Anthropocene oceans. <i>Geophysical Research Letters</i> , 2015 , 42, 9337-9344A	4.9	23
349	The nitrogen isotope composition of sediments from the proto-North Atlantic during Oceanic Anoxic Event 2. <i>Paleoceanography</i> , 2015 , 30, 923-937		13
348	Compound-specific stable isotope analysis of nitrogen-containing intact polar lipids. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 2263-71	2.2	2
347	Biogeochemical processes and buffering capacity concurrently affect acidification in a seasonally hypoxic coastal marine basin. <i>Biogeosciences</i> , 2015 , 12, 1561-1583	4.6	54
346	Coupling global models for hydrology and nutrient loading to simulate nitrogen and phosphorus retention in surface water [Description of IMAGE2NM and analysis of performance. <i>Geoscientific Model Development</i> , 2015 , 8, 4045-4067	6.3	71
345	Influence of deep-water derived isoprenoid tetraether lipids on the TEX86H paleothermometer in the Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 150, 125-141	5.5	72
344	Macrophytes and periphyton carbon subsidies to bacterioplankton and zooplankton in a shallow eutrophic lake in tropical China. <i>Limnology and Oceanography</i> , 2015 , 60, 375-385	4.8	27
343	Microbial carbon metabolism associated with electrogenic sulphur oxidation in coastal sediments. <i>ISME Journal</i> , 2015 , 9, 1966-78	11.9	72
342	Reconstruction of historical atmospheric Pb using Dutch urban lake sediments: a Pb isotope study. <i>Science of the Total Environment</i> , 2014 , 484, 185-95	10.2	16
341	Increased time to pregnancy is associated with less optimal neurological condition in 4-year-old singletons, in vitro fertilization itself is not. <i>Human Reproduction</i> , 2014 , 29, 2773-86	5.7	21
340	Alteration of organic matter during infaunal polychaete gut passage and links to sediment organic geochemistry. Part II: Fatty acids and aldoses. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 136, 38-59	5.5	8
339	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	2.9	9
338	Comparison of the stable carbon and nitrogen isotopic values of gill and white muscle tissue of fish. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014 , 457, 173-179	2.1	15
337	Stable isotopes dissect aquatic food webs from the top to the bottom. <i>Biogeosciences</i> , 2014 , 11, 2357-2376	4.7	144
336	Biogeochemical context impacts seawater pH changes resulting from atmospheric sulfur and nitrogen deposition. <i>Geophysical Research Letters</i> , 2014 , 41, 935-941	4.9	16
335	Impacts of ocean acidification on sediment processes in shallow waters of the Arctic Ocean. <i>PLoS ONE</i> , 2014 , 9, e94068	3.7	24
334	Opportunistic feeding on various organic food sources by the cold-water coral <i>Lophelia pertusa</i>. <i>Biogeosciences</i> , 2014 , 11, 123-133	4.6	60
333	Stable carbon isotope biogeochemistry of lakes along a trophic gradient. <i>Biogeosciences</i> , 2014 , 11, 6265-6276	4.8	28

332	Is ovarian hyperstimulation associated with higher blood pressure in 4-year-old IVF offspring? Part I: multivariable regression analysis. <i>Human Reproduction</i> , 2014 , 29, 502-9	5.7	29
331	Is ovarian hyperstimulation associated with higher blood pressure in 4-year-old IVF offspring? Part II: an explorative causal inference approach. <i>Human Reproduction</i> , 2014 , 29, 510-7	5.7	15
330	Dysmorphic features and developmental outcome of 2-year-old children. <i>Developmental Medicine and Child Neurology</i> , 2014 , 56, 1078-84	3.3	2
329	The lead (Pb) isotope signature, behaviour and fate of traffic-related lead pollution in roadside soils in The Netherlands. <i>Science of the Total Environment</i> , 2014 , 472, 888-900	10.2	64
328	The marine nitrogen cycle: recent discoveries, uncertainties and the potential relevance of climate change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130121	5.8	144
327	Reliability and concurrent validity of the Infant Motor Profile. <i>Developmental Medicine and Child Neurology</i> , 2013 , 55, 539-45	3.3	27
326	The effect of preimplantation genetic screening on neurological, cognitive and behavioural development in 4-year-old children: follow-up of a RCT. <i>Human Reproduction</i> , 2013 , 28, 1508-18	5.7	25
325	Movement variation in infants born following IVF/ICSI with and without ovarian hyperstimulation. <i>Early Human Development</i> , 2013 , 89, 507-13	2.2	4
324	Tracing diffuse anthropogenic Pb sources in rural soils by means of Pb isotope analysis. <i>Applied Geochemistry</i> , 2013 , 37, 242-257	3.5	17
323	Surviving in a marine desert: the sponge loop retains resources within coral reefs. <i>Science</i> , 2013 , 342, 108-10	33.3	457
322	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	2.9	30
321	Lithologically inherited variation in Pb isotope ratios in sedimentary soils in The Netherlands. <i>Applied Geochemistry</i> , 2013 , 37, 228-241	3.5	14
320	Morphologic abnormalities in 2-year-old children born after in vitro fertilization/intracytoplasmic sperm injection with preimplantation genetic screening: follow-up of a randomized controlled trial. <i>Fertility and Sterility</i> , 2013 , 99, 408-13	4.8	10
319	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. <i>BioScience</i> , 2013 , 63, 35-42	5.7	26
318	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	1.9	10
317	Tracking seasonal changes in North Sea zooplankton trophic dynamics using stable isotopes. <i>Biogeochemistry</i> , 2013 , 113, 167-187	3.8	28
316	Quantifying the degradation of organic matter in marine sediments: A review and synthesis. <i>Earth-Science Reviews</i> , 2013 , 123, 53-86	10.2	459
315	Dissolved organic matter uptake in a temperate seagrass ecosystem. <i>Marine Ecology - Progress Series</i> , 2013 , 478, 87-100	2.6	15

314	Influence of lake water pH and alkalinity on the distribution of core and intact polar branched glycerol dialkyl glycerol tetraethers (GDGTs) in lakes. <i>Organic Geochemistry</i> , 2013 , 60, 72-82	3.1	46
313	Trophodynamics and functional feeding groups of North Sea fauna: a combined stable isotope and fatty acid approach. <i>Biogeochemistry</i> , 2013 , 113, 189-212	3.8	34
312	Blood pressure and anthropometrics of 4-y-old children born after preimplantation genetic screening: follow-up of a unique, moderately sized, randomized controlled trial. <i>Pediatric Research</i> , 2013 , 74, 606-14	3.2	12
311	Increased time to pregnancy is associated with suboptimal neurological condition of 2-year-olds. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013 , 98, F434-6	4.7	5
310	Microbial bioavailability regulates organic matter preservation in marine sediments. <i>Biogeosciences</i> , 2013 , 10, 1131-1141	4.6	43
309	Methane as a carbon source for the food web in raised bog pools. <i>Freshwater Science</i> , 2013 , 32, 1260-1272		11
308	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		16
307	A $\delta^{13}\text{C}$ labelling study on carbon fluxes in Arctic plankton communities under elevated CO_2 levels. <i>Biogeosciences</i> , 2013 , 10, 1425-1440	4.6	33
306	Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models. <i>Biogeosciences</i> , 2013 , 10, 1-22	4.6	145
305	Nitrification and growth of autotrophic nitrifying bacteria and Thaumarchaeota in the coastal North Sea. <i>Biogeosciences</i> , 2013 , 10, 1775-1785	4.6	28
304	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	4.6	12
303	Complex Effects of Ecosystem Engineer Loss on Benthic Ecosystem Response to Detrital Macroalgae. <i>PLoS ONE</i> , 2013 , 8, e66650	3.7	17
302	The symbiosis between <i>Lophelia pertusa</i> and <i>Eunice norvegica</i> stimulates coral calcification and worm assimilation. <i>PLoS ONE</i> , 2013 , 8, e58660	3.7	29
301	Preface "Arctic ocean acidification: pelagic ecosystem and biogeochemical responses during a mesocosm study". <i>Biogeosciences</i> , 2013 , 10, 5619-5626	4.6	70
300	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	1.9	18
299	Parental psychological distress and anxiety after a successful IVF/ICSI procedure with and without preimplantation genetic screening: follow-up of a randomised controlled trial. <i>Early Human Development</i> , 2012 , 88, 725-30	2.2	8
298	Alteration of organic matter during infaunal polychaete gut passage and links to sediment organic geochemistry. Part I: Amino acids. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 77, 396-414	5.5	14
297	Fate of microbial nitrogen, carbon, hydrolysable amino acids, monosaccharides, and fatty acids in sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 83, 217-233	5.5	30

296	Dysmorphic features in 2-year-old IVF/ICSI offspring. <i>Early Human Development</i> , 2012 , 88, 823-9	2.2	8
295	Nitrification and growth of autotrophic nitrifying bacteria and Thaumarchaeota in the coastal North Sea 2012 ,		2
294	Organism-sediment interactions govern post-hypoxia recovery of ecosystem functioning. <i>PLoS ONE</i> , 2012 , 7, e49795	3.7	49
293	Balance of assimilative and dissimilative nitrogen processes in a diatom-rich tidal flat sediment. <i>Biogeosciences</i> , 2012 , 9, 4059-4070	4.6	12
292	The impact of IVF/ICSI on parental well-being and anxiety 1 year after childbirth. <i>Human Reproduction</i> , 2012 , 27, 2389-95	5.7	18
291	Variable production of transparent exopolymeric particles by haploid and diploid life stages of coccolithophores grown under different CO ₂ concentrations. <i>Journal of Plankton Research</i> , 2012 , 34, 388-398	2.2	11
290	Importance of phytodetritus and microphytobenthos for heterotrophs in a shallow subtidal sandy sediment. <i>Marine Ecology - Progress Series</i> , 2012 , 455, 13-31	2.6	40
289	Cyanobacteria as a carbon source for zooplankton in eutrophic Lake Taihu, China, measured by ¹³ C labeling and fatty acid biomarkers. <i>Limnology and Oceanography</i> , 2012 , 57, 1245-1254	4.8	78
288	Transformation and fate of microphytobenthos carbon in subtropical shallow subtidal sands: A ¹³ C-labeling study. <i>Limnology and Oceanography</i> , 2012 , 57, 1846-1856	4.8	30
287	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , 2012 , 2, 229-236	2.4	195
286	Chemoautotrophy in the ocean. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	82
285	Biogeochemistry, An Introduction 2011 , 1-5		
284	Potential uptake of dissolved organic matter by seagrasses and macroalgae. <i>Marine Ecology - Progress Series</i> , 2011 , 427, 71-81	2.6	32
283	Plankton dynamics in an estuarine plume: a mesocosm ¹³ C and ¹⁵ N tracer study. <i>Marine Ecology - Progress Series</i> , 2011 , 429, 29-43	2.6	16
282	The Groningen assisted reproductive technologies cohort study: developmental status and behavior at 2½ years. <i>Fertility and Sterility</i> , 2011 , 95, 2283-9	4.8	11
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30	Nitrogen processes in coastal and marine ecosystems		15
29	Reconstructing the diet, trophic level, and migration pattern of Mysticete whales based on baleen isotopic composition		1
28	Major role of marine vegetation on the oceanic carbon cycle		44
27	Opportunistic feeding on various organic food sources by the cold-water coral <i>Lophelia pertusa</i>		

26	Stable isotopes dissect food webs from top to the bottom	3
25	Stable carbon isotope biogeochemistry of lakes along a trophic gradient	4
24	Global riverine N and P transport to ocean increased during the twentieth century despite increased retention along the aquatic continuum	9
23	Quantifying biologically and physically induced flow and tracer dynamics in permeable sediments	5
22	Light availability in the coastal ocean: impact on the distribution of benthic photosynthetic organisms and contribution to primary production	37
21	A step-by-step procedure for pH model construction in aquatic systems	3
20	Nitrogen and carbon dynamics in the Scheldt estuary at the beginning of the 21st century: a modelling study	1
19	Factors governing the pH in a heterotrophic, turbid, tidal estuary	1
18	Historical records of coastal eutrophication-induced hypoxia	4
17	Effects of natural and human-induced hypoxia on coastal benthos	39
16	From heterotrophy to autotrophy: a freshwater estuarine ecosystem recovering from hypereutrophication	3
15	Distribution, origin and cycling of carbon in the Tana River (Kenya): a dry season basin-scale survey from headwaters to the delta	2
14	Selective preservation of organic matter in marine environments: processes and impact on the fossil record	1
13	Impacts of exotic mangrove forests and mangrove deforestation on carbon remineralization and ecosystem functioning in marine sediments	1
12	Effect of ocean acidification on the early life stages of the blue mussel (<i>Mytilus edulis</i>)	25
11	Carbon fluxes in natural plankton communities under elevated CO ₂ levels: a stable isotope labeling study	3
10	Long-term record of pH in the Dutch coastal zone: a major role for eutrophication-induced changes	5
9	A ¹³ C labelling study on carbon fluxes in Arctic plankton communities under elevated CO ₂ levels	14

8	Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models	3
7	Isotope data improve the predictive capabilities of a marine biogeochemical model	4
6	CARBON-DISC 1.0 A coupled, process-based model of global in-stream carbon biogeochemistry	2
5	Coupling global models for hydrology and nutrient loading to simulate nitrogen and phosphorus retention in surface water A description of IMAGE-GNM and analysis of performance	4
4	Short-term fate of phytodetritus across the Arabian Sea Oxygen Minimum Zone	1
3	Bacterial precursors and unsaturated long-chain fatty acids are biomarkers of North-Atlantic demosponges	1
2	Nitrogen turnover in a tidal flat sediment: assimilation and dissimilation by bacteria and benthic microalgae	1
1	Sink or link? The bacterial role in benthic carbon cycling in the Arabian sea oxygen minimum zone	1