

# Jack J Middelburg

## List of Publications by Citations

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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	Plumbing the Global Carbon Cycle: Integrating Inland Waters into the Terrestrial Carbon Budget. <i>Ecosystems</i> , <b>2007</b> , 10, 172-185	3.9	2235
438	The global abundance and size distribution of lakes, ponds, and impoundments. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2388-2397	4.8	1118
437	Archaeal nitrification in the ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12317-22	11.5	872
436	Impacts of atmospheric anthropogenic nitrogen on the open ocean. <i>Science</i> , <b>2008</b> , 320, 893-7	33.3	802
435	Major role of marine vegetation on the oceanic carbon cycle. <i>Biogeosciences</i> , <b>2005</b> , 2, 1-8	4.6	735
434	Mangrove production and carbon sinks: A revision of global budget estimates. <i>Global Biogeochemical Cycles</i> , <b>2008</b> , 22, n/a-n/a	5.9	624
433	Bioturbation: a fresh look at Darwin's last idea. <i>Trends in Ecology and Evolution</i> , <b>2006</b> , 21, 688-95	10.9	527
432	Impact of elevated CO <sub>2</sub> on shellfish calcification. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	486
431	Quantifying the degradation of organic matter in marine sediments: A review and synthesis. <i>Earth-Science Reviews</i> , <b>2013</b> , 123, 53-86	10.2	459
430	Surviving in a marine desert: the sponge loop retains resources within coral reefs. <i>Science</i> , <b>2013</b> , 342, 108-10	33.3	457
429	A simple rate model for organic matter decomposition in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>1989</b> , 53, 1577-1581	5.5	444
428	The fate of intertidal microphytobenthos carbon: An in situ <sup>13</sup> C-labeling study. <i>Limnology and Oceanography</i> , <b>2000</b> , 45, 1224-1234	4.8	425
427	Chemical processes affecting the mobility of major, minor and trace elements during weathering of granitic rocks. <i>Chemical Geology</i> , <b>1988</b> , 68, 253-273	4.2	410
426	Stable isotopes and biomarkers in microbial ecology. <i>FEMS Microbiology Ecology</i> , <b>2002</b> , 40, 85-95	4.3	400
425	Effects of natural and human-induced hypoxia on coastal benthos. <i>Biogeosciences</i> , <b>2009</b> , 6, 2063-2098	4.6	398
424	Coastal hypoxia and sediment biogeochemistry. <i>Biogeosciences</i> , <b>2009</b> , 6, 1273-1293	4.6	392
423	Rapid analysis of organic carbon and nitrogen in particulate materials. <i>Marine Chemistry</i> , <b>1994</b> , 45, 217-234	3.4	388

422	Seagrass sediments as a global carbon sink: Isotopic constraints. <i>Global Biogeochemical Cycles</i> , <b>2010</b> , 24, n/a-n/a	5.9	347
421	A model of early diagenetic processes from the shelf to abyssal depths. <i>Geochimica Et Cosmochimica Acta</i> , <b>1996</b> , 60, 1019-1040	5.5	326
420	Linking diagenetic alteration of amino acids and bulk organic matter reactivity. <i>Limnology and Oceanography</i> , <b>1999</b> , 44, 1809-1814	4.8	318
419	Amino acids and hexosamines as indicators of organic matter degradation state in North Sea sediments. <i>Limnology and Oceanography</i> , <b>1998</b> , 43, 782-798	4.8	317
418	Sediment organic carbon burial in agriculturally eutrophic impoundments over the last century. <i>Global Biogeochemical Cycles</i> , <b>2008</b> , 22, n/a-n/a	5.9	306
417	Carbon and nitrogen stable isotopes in suspended matter and sediments from the Schelde Estuary. <i>Marine Chemistry</i> , <b>1998</b> , 60, 217-225	3.7	280
416	Natural and human-induced hypoxia and consequences for coastal areas: synthesis and future development. <i>Biogeosciences</i> , <b>2010</b> , 7, 1443-1467	4.6	276
415	Denitrification in marine sediments: A model study. <i>Global Biogeochemical Cycles</i> , <b>1996</b> , 10, 661-673	5.9	271
414	Selective preservation of organic matter in marine environments; processes and impact on the sedimentary record. <i>Biogeosciences</i> , <b>2010</b> , 7, 483-511	4.6	257
413	Black carbon in marine sediments. <i>Marine Chemistry</i> , <b>1999</b> , 65, 245-252	3.7	235
412	Ecology of Estuarine Macrobenthos. <i>Advances in Ecological Research</i> , <b>1999</b> , 195-240	4.6	230
411	Organic matter processing in tidal estuaries. <i>Marine Chemistry</i> , <b>2007</b> , 106, 127-147	3.7	228
410	Marine viruses and global climate change. <i>FEMS Microbiology Reviews</i> , <b>2011</b> , 35, 993-1034	15.1	218
409	Empirical relationships for use in global diagenetic models. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>1997</b> , 44, 327-344	2.5	212
408	Global riverine N and P transport to ocean increased during the 20th century despite increased retention along the aquatic continuum. <i>Biogeosciences</i> , <b>2016</b> , 13, 2441-2451	4.6	201
407	Methane Feedbacks to the Global Climate System in a Warmer World. <i>Reviews of Geophysics</i> , <b>2018</b> , 56, 207-250	23.1	200
406	Mobilization of radiocaesium in pore water of lake sediments. <i>Nature</i> , <b>1989</b> , 339, 367-369	50.4	196
405	Global abundance and size distribution of streams and rivers. <i>Inland Waters</i> , <b>2012</b> , 2, 229-236	2.4	195

404	Stable isotopes as trophic tracers: combining field sampling and manipulative labelling of food resources for macrobenthos. <i>Marine Ecology - Progress Series</i> , <b>2000</b> , 204, 79-92	2.6	180
403	Light availability in the coastal ocean: impact on the distribution of benthic photosynthetic organisms and their contribution to primary production. <i>Biogeosciences</i> , <b>2006</b> , 3, 489-513	4.6	164
402	Effect of ocean acidification on the early life stages of the blue mussel &i>Mytilus edulis&/i>. <i>Biogeosciences</i> , <b>2010</b> , 7, 2051-2060	4.6	158
401	Long-term change in dissolved inorganic nutrients in the heterotrophic Scheldt estuary (Belgium, The Netherlands). <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 409-423	4.8	157
400	The effect of biogeochemical processes on pH. <i>Marine Chemistry</i> , <b>2007</b> , 105, 30-51	3.7	152
399	Carbon and nutrient deposition in a Mediterranean seagrass ( <i>Posidonia oceanica</i> ) meadow. <i>Limnology and Oceanography</i> , <b>2002</b> , 47, 23-32	4.8	151
398	Organic matter mineralization in marine systems. <i>Global and Planetary Change</i> , <b>1993</b> , 8, 47-58	4.2	150
397	Nutrient dynamics, transfer and retention along the aquatic continuum from land to ocean: towards integration of ecological and biogeochemical models. <i>Biogeosciences</i> , <b>2013</b> , 10, 1-22	4.6	145
396	Stable isotopes dissect aquatic food webs from the top to the bottom. <i>Biogeosciences</i> , <b>2014</b> , 11, 2357-2371	4.6	144
395	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> , <b>2013</b> , 368, 20130121	5.8	144
394	Bacteria and Foraminifera: key players in a short-term deep-sea benthic response to phytodetritus. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 236, 23-29	2.6	143
393	Methane distribution in European tidal estuaries. <i>Biogeochemistry</i> , <b>2002</b> , 59, 95-119	3.8	138
392	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <i>Frontiers in Marine Science</i> , <b>2018</b> , 5,	4.5	136
391	Organic matter mineralization in intertidal sediments along an estuarine gradient. <i>Marine Ecology - Progress Series</i> , <b>1996</b> , 132, 157-168	2.6	132
390	On the coupling of benthic and pelagic biogeochemical models. <i>Earth-Science Reviews</i> , <b>2000</b> , 51, 173-201	4.2	130
389	Role of macrofauna functional traits and density in biogeochemical fluxes and bioturbation. <i>Marine Ecology - Progress Series</i> , <b>2010</b> , 399, 173-186	2.6	128
388	Benthic community structure and sediment processes on an intertidal flat: results from the ECOFLAT project. <i>Continental Shelf Research</i> , <b>2001</b> , 21, 2055-2071	2.4	128
387	Diagenetic pyritisation under eastern Mediterranean sapropels caused by downward sulphide diffusion. <i>Geochimica Et Cosmochimica Acta</i> , <b>1996</b> , 60, 751-763	5.5	125

386	Oxygen as a control on sea floor biological communities and their roles in sedimentary carbon cycling. <i>Limnology and Oceanography</i> , <b>2007</b> , 52, 1698-1709	4.8	124
385	Fossilization and degradation of intact polar lipids in deep subsurface sediments: A theoretical approach. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 3806-3814	5.5	122
384	Importance of intertidal sediment processes and porewater exchange on the water column biogeochemistry in a pristine mangrove creek (Ras Dege, Tanzania). <i>Biogeosciences</i> , <b>2007</b> , 4, 311-322	4.6	120
383	Ecological significance of benthic foraminifera: 13C labelling experiments. <i>Marine Ecology - Progress Series</i> , <b>2000</b> , 202, 289-295	2.6	119
382	Organic Carbon Isotope Systematics of Coastal Marshes. <i>Estuarine, Coastal and Shelf Science</i> , <b>1997</b> , 45, 681-687	2.9	118
381	Nitrogen uptake by heterotrophic bacteria and phytoplankton in the nitrate-rich Thames estuary. <i>Marine Ecology - Progress Series</i> , <b>2000</b> , 203, 13-21	2.6	115
380	Selective preservation of soil organic matter in oxidized marine sediments (Madeira Abyssal Plain). <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 6061-6068	5.5	114
379	Organic carbon, sulphur, and iron in recent semi-euxinic sediments of Kau Bay, Indonesia. <i>Geochimica Et Cosmochimica Acta</i> , <b>1991</b> , 55, 815-828	5.5	113
378	Manganese solubility control in marine pore waters. <i>Geochimica Et Cosmochimica Acta</i> , <b>1987</b> , 51, 759-763	5.5	113
377	Carbon flows through a benthic food web: Integrating biomass, isotope and tracer data. <i>Journal of Marine Research</i> , <b>2006</b> , 64, 453-482	1.5	112
376	Historical records of coastal eutrophication-induced hypoxia. <i>Biogeosciences</i> , <b>2009</b> , 6, 1707-1745	4.6	110
375	Does terrestrial organic carbon subsidize the planktonic food web in a clear-water lake?. <i>Limnology and Oceanography</i> , <b>2007</b> , 52, 2177-2189	4.8	109
374	Methane emission from tidal freshwater marshes <b>2000</b> , 49, 103-121		109
373	Composition of anoxic hypersaline brines in the Tyro and Bannock Basins, eastern Mediterranean. <i>Marine Chemistry</i> , <b>1990</b> , 31, 63-88	3.7	109
372	Sorption of trace metals on calcite: Applicability of the surface precipitation model. <i>Geochimica Et Cosmochimica Acta</i> , <b>1987</b> , 51, 2587-2591	5.5	109
371	Coral mucus fuels the sponge loop in warm- and cold-water coral reef ecosystems. <i>Scientific Reports</i> , <b>2016</b> , 6, 18715	4.9	105
370	Relations between local, nonlocal, discrete and continuous models of bioturbation. <i>Journal of Marine Research</i> , <b>2003</b> , 61, 391-410	1.5	104
369	Seasonal variation in methane oxidation by the rhizosphere of <i>Phragmites australis</i> and <i>Scirpus lacustris</i> . <i>Aquatic Botany</i> , <b>1998</b> , 61, 95-110	1.8	101

368	Possible diagenetic mobilization of barium in sapropelic sediment from the eastern Mediterranean. <i>Marine Geology</i> , <b>1991</b> , 100, 125-136	3.3	100
367	Dynamic response of deep-sea sediments to seasonal variations: A model. <i>Limnology and Oceanography</i> , <b>1996</b> , 41, 1651-1668	4.8	99
366	Reactive iron in Black Sea Sediments: implications for iron cycling. <i>Marine Geology</i> , <b>2001</b> , 172, 167-180	3.3	98
365	Modeling 210Pb-derived mixing activity in ocean margin sediments: Diffusive versus nonlocal mixing. <i>Journal of Marine Research</i> , <b>1996</b> , 54, 1207-1227	1.5	98
364	Interspecific and intraspecific variation of $\delta^{13}C$ and $\delta^{15}N$ in deposit- and suspension-feeding bivalves ( <i>Macoma balthica</i> and <i>Cerastoderma edule</i> ): Evidence of ontogenetic changes in feeding mode of <i>Macoma balthica</i> . <i>Limnology and Oceanography</i> , <b>2004</b> , 49, 408-414	4.8	95
363	Similar rapid response to phytodetritus deposition in shallow and deep-sea sediments. <i>Journal of Marine Research</i> , <b>2005</b> , 63, 457-469	1.5	93
362	Pyrite contents, microtextures, and sulfur isotopes in relation to formation of the youngest eastern Mediterranean sapropel. <i>Geology</i> , <b>1997</b> , 25, 519	5	88
361	Diel methane emission patterns from <i>Scirpus lacustris</i> and <i>Phragmites australis</i> . <i>Biogeochemistry</i> , <b>1998</b> , 41, 1-22	3.8	88
360	A Model for Early Diagenetic Processes in Sediments of the Continental Shelf of the Black Sea. <i>Estuarine, Coastal and Shelf Science</i> , <b>2002</b> , 54, 403-421	2.9	86
359	Benthic activity in sediments of the northwestern Adriatic Sea: sediment oxygen consumption, macro- and meiofauna dynamics. <i>Journal of Sea Research</i> , <b>1998</b> , 40, 263-280	1.9	85
358	Tracing organic matter sources of estuarine tidal flat nematodes with stable carbon isotopes. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 234, 127-137	2.6	85
357	Quantifying Food Web Flows Using Linear Inverse Models. <i>Ecosystems</i> , <b>2010</b> , 13, 32-45	3.9	84
356	Sulfur and iron speciation in surface sediments along the northwestern margin of the Black Sea. <i>Marine Chemistry</i> , <b>2001</b> , 74, 261-278	3.7	84
355	Role of physical and biological processes in sediment dynamics of a tidal flat in Westerschelde Estuary, SW Netherlands. <i>Marine Ecology - Progress Series</i> , <b>2004</b> , 274, 41-56	2.6	84
354	Oxygenation and organic-matter preservation in marine sediments: Direct experimental evidence from ancient organic carbon-rich deposits. <i>Geology</i> , <b>2005</b> , 33, 889	5	83
353	Geochemistry of eastern Mediterranean sediments: Primary sediment composition and diagenetic alterations. <i>Marine Geology</i> , <b>1991</b> , 100, 137-154	3.3	83
352	Hydrogeochemistry of the River Rhine: Long term and seasonal variability, elemental budgets, base levels and pollution. <i>Water Research</i> , <b>1989</b> , 23, 1247-1266	12.5	83
351	Chemoautotrophy in the ocean. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	82

350	Biomarker and carbon isotopic constraints on bacterial and algal community structure and functioning in a turbid, tidal estuary. <i>Limnology and Oceanography</i> , <b>2005</b> , 50, 70-80	4.8	82
349	Bioirrigation in permeable sediments: Advective pore-water transport induced by burrow ventilation. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 142-156	4.8	82
348	Modes of sapropel formation in the eastern Mediterranean: some constraints based on pyrite properties. <i>Marine Geology</i> , <b>1999</b> , 153, 199-219	3.3	82
347	Nitrogen Isotope Tracing of Dissolved Inorganic Nitrogen Behaviour in Tidal Estuaries. <i>Estuarine, Coastal and Shelf Science</i> , <b>2001</b> , 53, 385-391	2.9	81
346	Seasonal and long-term changes in pH in the Dutch coastal zone. <i>Biogeosciences</i> , <b>2010</b> , 7, 3869-3878	4.6	80
345	What proportion of riverine nutrients reaches the open ocean?. <i>Global Biogeochemical Cycles</i> , <b>2017</b> , 31, 39-58	5.9	79
344	Planktonic and whole system metabolism in a nutrient-rich estuary (the Scheldt estuary). <i>Estuaries and Coasts</i> , <b>2005</b> , 28, 868-883		79
343	Transient, Tidal Time-scale, Nitrogen Transformations in an Estuarine Turbidity Maximum Fluid Mud System (The Gironde, South-west France). <i>Estuarine, Coastal and Shelf Science</i> , <b>2000</b> , 50, 703-715	2.9	79
342	Uptake of dissolved inorganic nitrogen in turbid, tidal estuaries. <i>Marine Ecology - Progress Series</i> , <b>2000</b> , 192, 79-88	2.6	79
341	Benthic primary producers are key to sustain the Wadden Sea food web: stable carbon isotope analysis at landscape scale. <i>Ecology</i> , <b>2017</b> , 98, 1498-1512	4.6	78
340	Seafloor ecosystem functioning: the importance of organic matter priming. <i>Marine Biology</i> , <b>2009</b> , 156, 2277-2287	2.5	78
339	Cyanobacteria as a carbon source for zooplankton in eutrophic Lake Taihu, China, measured by <sup>13</sup> C labeling and fatty acid biomarkers. <i>Limnology and Oceanography</i> , <b>2012</b> , 57, 1245-1254	4.8	78
338	Effects of two common macrophytes on methane dynamics in freshwater sediments <b>1998</b> , 43, 79-104		78
337	Extreme warmth and heat-stressed plankton in the tropics during the Paleocene-Eocene Thermal Maximum. <i>Science Advances</i> , <b>2017</b> , 3, e1600891	14.3	77
336	Carbon-nitrogen coupling and algal-bacterial interactions during an experimental bloom: Modeling a <sup>13</sup> C tracer experiment. <i>Limnology and Oceanography</i> , <b>2004</b> , 49, 862-878	4.8	77
335	Sediment biogeochemistry in an East African mangrove forest (Gazi Bay, Kenya). <i>Biogeochemistry</i> , <b>1996</b> , 34, 133	3.8	77
334	Dissolved organic nitrogen uptake by seagrasses. <i>Limnology and Oceanography</i> , <b>2008</b> , 53, 542-548	4.8	75
333	Preferential diffusion of <sup>35</sup> Cl relative to <sup>37</sup> Cl in sediments of Kau Bay, Halmahera, Indonesia. <i>Chemical Geology</i> , <b>1994</b> , 116, 317-325	4.2	74

332	Phragmites australis and silica cycling in tidal wetlands. <i>Aquatic Botany</i> , <b>2007</b> , 87, 134-140	1.8	73
331	Reviews and syntheses: to the bottom of carbon processing at the seafloor. <i>Biogeosciences</i> , <b>2018</b> , 15, 413-427	4.6	73
330	Influence of deep-water derived isoprenoid tetraether lipids on the TEX86H paleothermometer in the Mediterranean Sea. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 150, 125-141	5.5	72
329	Microbial carbon metabolism associated with electrogenic sulphur oxidation in coastal sediments. <i>ISME Journal</i> , <b>2015</b> , 9, 1966-78	11.9	72
328	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> , <b>2015</b> , 8, 4045-4067	6.3	71
327	The application of fuzzy c-means cluster analysis and non-linear mapping to geochemical datasets: examples from Portugal. <i>Applied Geochemistry</i> , <b>1988</b> , 3, 213-224	3.5	71
326	Biogenic silica in tidal freshwater marsh sediments and vegetation (Schelde estuary, Belgium). <i>Marine Ecology - Progress Series</i> , <b>2005</b> , 303, 51-60	2.6	71
325	Preface "Arctic ocean acidification: pelagic ecosystem and biogeochemical responses during a mesocosm study"; <i>Biogeosciences</i> , <b>2013</b> , 10, 5619-5626	4.6	70
324	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> , <b>2009</b> , 56, 376-392	2.3	70
323	Distribution, origin and cycling of carbon in the Tana River (Kenya): a dry season basin-scale survey from headwaters to the delta. <i>Biogeosciences</i> , <b>2009</b> , 6, 2475-2493	4.6	70
322	Microbial uptake of dissolved organic and inorganic nitrogen in Randers Fjord. <i>Estuarine, Coastal and Shelf Science</i> , <b>2004</b> , 61, 507-515	2.9	70
321	Effect of carbonate chemistry alteration on the early embryonic development of the Pacific oyster ( <i>Crassostrea gigas</i> ). <i>PLoS ONE</i> , <b>2011</b> , 6, e23010	3.7	68
320	Net ecosystem metabolism in a micro-tidal estuary (Randers Fjord, Denmark): evaluation of methods. <i>Marine Ecology - Progress Series</i> , <b>2005</b> , 301, 23-41	2.6	68
319	Nitrogen processing in a tidal freshwater marsh: A whole-ecosystem <sup>15</sup> N labeling study. <i>Limnology and Oceanography</i> , <b>2005</b> , 50, 1945-1959	4.8	67
318	Modeling reactive transport in sediments subject to bioturbation and compaction. <i>Geochimica Et Cosmochimica Acta</i> , <b>2005</b> , 69, 3601-3617	5.5	66
317	The role of the benthic biota in sedimentary metabolism and sediment-water exchange processes in the Goban Spur area (NE Atlantic). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2001</b> , 48, 3223-3243	2.3	66
316	A reevaluation of the magnitude and impacts of anthropogenic atmospheric nitrogen inputs on the ocean. <i>Global Biogeochemical Cycles</i> , <b>2017</b> , 31, 289	5.9	65
315	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> , <b>2009</b> , 54, 62-74	4.8	65



314	Effect of oxygen on the degradability of organic matter in subtidal and intertidal sediments of the North Sea area. <i>Marine Ecology - Progress Series</i> , <b>2001</b> , 215, 13-22	2.6	65
313	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> , <b>2014</b> , 472, 888-900	10.2	64
312	The assessment of minor neurological dysfunction in infancy using the Touwen Infant Neurological Examination: strengths and limitations. <i>Developmental Medicine and Child Neurology</i> , <b>2010</b> , 52, 87-92	3.3	64
311	A versatile method for stable carbon isotope analysis of carbohydrates by high-performance liquid chromatography/isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3902-8	2.2	64
310	Effect of nutrient availability on carbon and nitrogen incorporation and flows through benthic algae and bacteria in near-shore sandy sediment. <i>Aquatic Microbial Ecology</i> , <b>2007</b> , 49, 165-180	1.1	64
309	AquaEnv : An Aquatic AcidBase Modelling Environment in R. <i>Aquatic Geochemistry</i> , <b>2010</b> , 16, 507-546	1.7	62
308	The diagenetic formation of metal-rich layers in sapropel-containing sediments in the eastern Mediterranean. <i>Geochimica Et Cosmochimica Acta</i> , <b>1993</b> , 57, 527-536	5.5	62
307	Middle and Late Quaternary depositional sequences and cycles in the eastern Mediterranean. <i>Sedimentology</i> , <b>1989</b> , 36, 151-156	3.3	62
306	The short-term fate of organic carbon in marine sediments: Comparing the Pakistan margin to other regions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2009</b> , 56, 393-402	2.3	61
305	The trophic significance of bacterial carbon in a marine intertidal sediment: Results of an in situ stable isotope labeling study. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2349-2359	4.8	61
304	Factors controlling nitrous oxide at the microbial community and estuarine scale. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 240, 1-9	2.6	61
303	Opportunistic feeding on various organic food sources by the cold-water coral <i>Lophelia pertusa</i>. <i>Biogeosciences</i> , <b>2014</b> , 11, 123-133	4.6	60
302	Sorption of cadmium on hydroxyapatite. <i>Chemical Geology</i> , <b>1991</b> , 90, 45-53	4.2	59
301	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , <b>2019</b> , 10, 1106	17.4	57
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63	Stable carbon isotope biogeochemistry of lakes along a trophic gradient		4

62	Historical records of coastal eutrophication-induced hypoxia		4
61	Isotope data improve the predictive capabilities of a marine biogeochemical model		4
60	Coupling global models for hydrology and nutrient loading to simulate nitrogen and phosphorus retention in surface water <b>4</b> Description of IMAGE-GNM and analysis of performance		4
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50	From heterotrophy to autotrophy: a freshwater estuarine ecosystem recovering from hypereutrophication		3
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16	Factors governing the pH in a heterotrophic, turbid, tidal estuary		1
15	Selective preservation of organic matter in marine environments: processes and impact on the fossil record		1
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