

# David M Paterson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7743165/david-m-paterson-publications-by-citations.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

156  
papers

7,427  
citations

53  
h-index

81  
g-index

161  
ext. papers

8,293  
ext. citations

4  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
156	Short-term changes in the erodibility of intertidal cohesive sediments related to the migratory behavior of epipellic diatoms. <i>Limnology and Oceanography</i> , <b>1989</b> , 34, 223-234	4.8	314
155	Consistent patterns and the idiosyncratic effects of biodiversity in marine ecosystems. <i>Nature</i> , <b>2001</b> , 411, 73-7	50.4	230
154	The measurement of microbial carbohydrate exopolymers from intertidal sediments. <i>Limnology and Oceanography</i> , <b>1995</b> , 40, 1243-1253	4.8	230
153	Comparative structure, primary production and biogenic stabilization of cohesive and non-cohesive marine sediments inhabited by microphytobenthos. <i>Estuarine, Coastal and Shelf Science</i> , <b>1994</b> , 39, 565-582	2.9	203
152	THE UPS AND DOWNS OF LIFE IN A BENTHIC BIOFILM: MIGRATION OF BENTHIC DIATOMS. <i>Diatom Research</i> , <b>2004</b> , 19, 181-202	0.9	187
151	Working with Natural Cohesive Sediments. <i>Journal of Hydraulic Engineering</i> , <b>2002</b> , 128, 2-8	1.8	172
150	The importance of extracellular carbohydrate production by marine epipellic diatoms. <i>Advances in Botanical Research</i> , <b>2003</b> , 40, 183-240	2.2	162
149	Seasonal changes in diatom biomass, sediment stability and biogenic stabilization in the Severn Estuary. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>1993</b> , 73, 871-887	1.1	159
148	Measuring the in situ Erosion Shear Stress of Intertidal Sediments with the Cohesive Strength Meter (CSM). <i>Estuarine, Coastal and Shelf Science</i> , <b>1999</b> , 49, 281-294	2.9	158
147	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 760-786	6.1	153
146	Interrelationships between Rates of Microbial Production, Exopolymer Production, Microbial Biomass, and Sediment Stability in Biofilms of Intertidal Sediments. <i>Microbial Ecology</i> , <b>2000</b> , 39, 116-127	4.4	137
145	The pervasive role of biological cohesion in bedform development. <i>Nature Communications</i> , <b>2015</b> , 6, 6257	17.4	124
144	Variations in sediment properties, Skeffling mudflat, Humber Estuary, UK. <i>Continental Shelf Research</i> , <b>2000</b> , 20, 1373-1396	2.4	119
143	Determination of microphytobenthic biomass using pulse-amplitude modulated minimum fluorescence. <i>European Journal of Phycology</i> , <b>2002</b> , 37, 485-492	2.2	112
142	A comparison and measurement standardisation of four in situ devices for determining the erosion shear stress of intertidal sediments. <i>Continental Shelf Research</i> , <b>2000</b> , 20, 1397-1418	2.4	111
141	Adaptations of microphytobenthos assemblages to sediment type and tidal position. <i>Continental Shelf Research</i> , <b>2009</b> , 29, 1624-1634	2.4	106
140	Patterns in microphytobenthic primary productivity: Species-specific variation in migratory rhythms and photosynthetic efficiency in mixed-species biofilms. <i>Limnology and Oceanography</i> , <b>2005</b> , 50, 755-767	4.8	99

139	Water Flow, Sediment Dynamics and Benthic Biology. <i>Advances in Ecological Research</i> , <b>1999</b> , 29, 155-193	4.6	98
138	In situ versus laboratory analysis of sediment stability from intertidal mudflats. <i>Continental Shelf Research</i> , <b>2000</b> , 20, 1317-1334	2.4	94
137	Subaerial exposure and changes in the stability of intertidal estuarine sediments. <i>Estuarine, Coastal and Shelf Science</i> , <b>1990</b> , 30, 541-556	2.9	93
136	PAM FLUORESCENCE: A BEGINNERS GUIDE FOR BENTHIC DIATOMISTS. <i>Diatom Research</i> , <b>2005</b> , 20, 1-22	0.9	92
135	Recovery of intertidal benthic diatoms after biocide treatment and associated sediment dynamics. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>1993</b> , 73, 25-45	1.1	92
134	Carbohydrate secretion by phototrophic communities in tidal sediments. <i>Journal of Sea Research</i> , <b>1999</b> , 42, 131-146	1.9	85
133	The Implications of Niche Construction and Ecosystem Engineering for Conservation Biology. <i>BioScience</i> , <b>2006</b> , 56, 570	5.7	82
132	Microbiological mediation of spectral reflectance from intertidal cohesive sediments. <i>Limnology and Oceanography</i> , <b>1998</b> , 43, 1207-1221	4.8	82
131	The influence of an extracellular polymeric substance (EPS) on cohesive sediment stability. <i>Proceedings in Marine Science</i> , <b>2002</b> , 5, 409-425		79
130	THE MIGRATORY BEHAVIOUR OF DIATOM ASSEMBLAGES IN A LABORATORY TIDAL MICRO-ECOSYSTEM EXAMINED BY LOW TEMPERATURE SCANNING ELECTRON MICROSCOPY. <i>Diatom Research</i> , <b>1986</b> , 1, 227-239	0.9	79
129	THE SPEED OF DIATOM MIGRATION THROUGH NATURAL AND ARTIFICIAL SUBSTRATA. <i>Diatom Research</i> , <b>1993</b> , 8, 371-384	0.9	75
128	Microbial stabilization of riverine sediments by extracellular polymeric substances. <i>Geobiology</i> , <b>2008</b> , 6, 57-69	4.3	74
127	Flow modifies the effect of biodiversity on ecosystem functioning: an in situ study of estuarine sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2003</b> , 285-286, 165-177	2.1	74
126	Microspatial Variation in Carbohydrate Concentrations with Depth in the Upper Millimetres of Intertidal Cohesive Sediments. <i>Estuarine, Coastal and Shelf Science</i> , <b>1998</b> , 46, 359-370	2.9	73
125	Sediment phosphorus cycling in a large shallow lake: spatio-temporal variation in phosphorus pools and release. <i>Hydrobiologia</i> , <b>2007</b> , 584, 37-48	2.4	73
124	The effect of geomorphological structures on potential biostabilisation by microphytobenthos on intertidal mudflats. <i>Continental Shelf Research</i> , <b>2000</b> , 20, 1243-1256	2.4	73
123	Long-term variation and regulation of internal phosphorus loading in Loch Leven. <i>Hydrobiologia</i> , <b>2012</b> , 681, 23-33	2.4	71
122	The role of biophysical cohesion on subaqueous bed form size. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 1566-1573	4.9	70

121	Effects of light on sediment nutrient flux and water column nutrient stoichiometry in a shallow lake. <i>Water Research</i> , <b>2008</b> , 42, 977-86	12.5	69
120	Changes in microphytobenthic chlorophyll a and EPS resulting from sediment compaction due to de-watering: opposing patterns in concentration and content. <i>Continental Shelf Research</i> , <b>2003</b> , 23, 575-586	2.4	69
119	Marine biodiversity-ecosystem functions under uncertain environmental futures. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 365, 2107-16	5.8	66
118	Changes in cohesive sediment properties associated with the growth of a diatom biofilm. <i>Hydrobiologia</i> , <b>2008</b> , 596, 225-239	2.4	65
117	Small-scale temporal and spatial variability in the erosion threshold and properties of cohesive intertidal sediments. <i>Continental Shelf Research</i> , <b>2006</b> , 26, 351-362	2.4	65
116	Influence of macrofaunal assemblages and environmental heterogeneity on microphytobenthic production in experimental systems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2547-54	4.4	64
115	Spatial dynamics of microphytobenthos determined by PAM fluorescence. <i>Estuarine, Coastal and Shelf Science</i> , <b>2005</b> , 65, 30-42	2.9	63
114	The stabilisation potential of individual and mixed assemblages of natural bacteria and microalgae. <i>PLoS ONE</i> , <b>2010</b> , 5, e13794	3.7	63
113	Photoacclimation, growth and distribution of massive coral species in clear and turbid waters. <i>Marine Ecology - Progress Series</i> , <b>2008</b> , 369, 77-88	2.6	63
112	Influence of <i>Corophium volutator</i> and <i>Hydrobia ulvae</i> on intertidal benthic diatom assemblages under different nutrient and temperature regimes. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 245, 47-59	2.6	62
111	Indirect effects may buffer negative responses of seagrass invertebrate communities to ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2014</b> , 461, 31-38	2.1	61
110	Assessment of ecosystem function following marine aggregate dredging. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2008</b> , 366, 82-91	2.1	59
109	Organisms as cooperative ecosystem engineers in intertidal flats. <i>Journal of Sea Research</i> , <b>2014</b> , 92, 92-100	10.0	58
108	Making modelling count - increasing the contribution of shelf-seas community and ecosystem models to policy development and management. <i>Marine Policy</i> , <b>2015</b> , 61, 291-302	3.5	57
107	Diatom migration and sediment armouring: an example from the Tagus Estuary, Portugal. <i>Hydrobiologia</i> , <b>2003</b> , 503, 183-193	2.4	57
106	Biogenic structure of early sediment fabric visualized by low-temperature scanning electron microscopy. <i>Journal of the Geological Society</i> , <b>1995</b> , 152, 131-140	2.7	57
105	Sticky stuff: Redefining bedform prediction in modern and ancient environments. <i>Geology</i> , <b>2015</b> , 43, 399-402	5	56
104	Bioturbation, ecosystem functioning and community structure. <i>Hydrology and Earth System Sciences</i> , <b>2002</b> , 6, 999-1005	5.5	56

103	Ecology of intertidal microbial biofilms: Mechanisms, patterns and future research needs. <i>Journal of Sea Research</i> , <b>2014</b> , 92, 2-5	1.9	51
102	Microbial extracellular polymeric substances (EPS) in fresh water sediments. <i>Microbial Ecology</i> , <b>2009</b> , 58, 334-49	4.4	51
101	Effect of sediment type on microphytobenthos vertical distribution: Modelling the productive biomass and improving ground truth measurements. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 332, 60-74	2.1	51
100	Species effects on ecosystem processes are modified by faunal responses to habitat composition. <i>Oecologia</i> , <b>2008</b> , 158, 511-20	2.9	50
99	Site-specific features influence sediment stability of intertidal flats. <i>Hydrology and Earth System Sciences</i> , <b>2002</b> , 6, 971-982	5.5	50
98	Microscale analysis of chlorophyll-a in cohesive, intertidal sediments: the implications of microphytobenthos distribution. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2001</b> , 81, 151-162	1.1	48
97	Extracellular cracking and content removal of the benthic diatom <i>Pleurosigma angulatum</i> (Quekett) by the benthic foraminifera <i>Haynesina germanica</i> (Ehrenberg). <i>Marine Micropaleontology</i> , <b>2005</b> , 57, 68-73	1.7	47
96	Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. <i>Oikos</i> , <b>2012</b> , 121, 1801-1809	4	46
95	Relationship of intertidal surface sediment chlorophyll concentration to hyperspectral reflectance and chlorophyll fluorescence. <i>Estuaries and Coasts</i> , <b>2006</b> , 29, 183-196	2.8	46
94	Impacts of physical disturbance on the recovery of a macrofaunal community: A comparative analysis using traditional and novel approaches. <i>Ecological Indicators</i> , <b>2012</b> , 12, 37-45	5.8	45
93	Microbial assemblages as ecosystem engineers of sediment stability. <i>Journal of Soils and Sediments</i> , <b>2009</b> , 9, 640-652	3.4	43
92	Monitoring Migration and Measuring Biomass in Benthic Biofilms: The Effects of Dark/far-red Adaptation and Vertical Migration on Fluorescence Measurements. <i>Photosynthesis Research</i> , <b>2004</b> , 81, 91-101	3.7	43
91	Bacterivorous nematodes stimulate microbial growth and exopolymer production in marine sediment microcosms. <i>Marine Ecology - Progress Series</i> , <b>2010</b> , 419, 85-94	2.6	41
90	Light-dependant biostabilisation of sediments by stromatolite assemblages. <i>PLoS ONE</i> , <b>2008</b> , 3, e3176	3.7	41
89	Phosphorus partitioning in a shallow lake: implications for water quality management. <i>Water and Environment Journal</i> , <b>2007</b> , 21, 47-53	1.7	41
88	The effects of rain on the erosion threshold of intertidal cohesive sediments. <i>Aquatic Ecology</i> , <b>2006</b> , 40, 533-541	1.9	41
87	The role of microphytobenthos in soft-sediment ecological networks and their contribution to the delivery of multiple ecosystem services. <i>Journal of Ecology</i> , <b>2020</b> , 108, 815-830	6	41
86	Spatial and historical variation in sediment phosphorus fractions and mobility in a shallow lake. <i>Water Research</i> , <b>2006</b> , 40, 383-91	12.5	40

85	Impacts of biogenic structures on benthic assemblages: microbes, meiofauna, macrofauna and related ecosystem functions. <i>Marine Ecology - Progress Series</i> , <b>2012</b> , 465, 85-97	2.6	38
84	Impact of biodiversity-climate futures on primary production and metabolism in a model benthic estuarine system. <i>BMC Ecology</i> , <b>2011</b> , 11, 7	2.7	38
83	Hindered erosion: The biological mediation of noncohesive sediment behavior. <i>Water Resources Research</i> , <b>2017</b> , 53, 4787-4801	5.4	36
82	Microalgal sediment biostabilisation along a salinity gradient in the Eden Estuary, Scotland: unravelling a paradox. <i>Marine and Freshwater Research</i> , <b>2008</b> , 59, 313	2.2	36
81	Effects of vertical migrations by benthic microalgae on fluorescence measurements of photophysiology. <i>Marine Ecology - Progress Series</i> , <b>2006</b> , 315, 55-66	2.6	36
80	Impairment of the bacterial biofilm stability by triclosan. <i>PLoS ONE</i> , <b>2012</b> , 7, e31183	3.7	35
79	Implications of dredging induced changes in sediment particle size composition for the structure and function of marine benthic macrofaunal communities. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2087-94	6.7	32
78	The engineering potential of natural benthic bacterial assemblages in terms of the erosion resistance of sediments. <i>FEMS Microbiology Ecology</i> , <b>2008</b> , 66, 282-94	4.3	32
77	Assessing the recovery of functional diversity after sustained sediment screening at an aggregate dredging site in the North Sea. <i>Estuarine, Coastal and Shelf Science</i> , <b>2011</b> , 92, 358-366	2.9	31
76	Calibration of the high-pressure cohesive strength meter (CSM). <i>Continental Shelf Research</i> , <b>2007</b> , 27, 1190-1199	2.4	31
75	Extracellular polymeric substances: quantification and use in erosion experiments. <i>Continental Shelf Research</i> , <b>2004</b> , 24, 1623-1635	2.4	31
74	Temporal and spatial distributions of moisture and organic contents across a macro-tidal mudflat. <i>Continental Shelf Research</i> , <b>2000</b> , 20, 1219-1241	2.4	31
73	Culture studies of the benthic foraminifera <i>Elphidium williamsoni</i> : Evaluating pH, [CO <sub>2</sub> ] and inter-individual effects on test Mg/Ca. <i>Chemical Geology</i> , <b>2010</b> , 274, 87-93	4.2	29
72	The role of herbicides in the erosion of salt marshes in eastern England. <i>Environmental Pollution</i> , <b>2003</b> , 122, 41-9	9.3	29
71	Microbiological mediation of sediment structure and behaviour <b>1994</b> , 97-109		29
70	The impact of organic pollution on the macrobenthic fauna of Dubai Creek (UAE). <i>Marine Pollution Bulletin</i> , <b>2007</b> , 54, 1715-23	6.7	28
69	The structure of benthic Diatom assemblages: A preliminary account of the use and evaluation of low-temperature scanning electron microscopy. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1986</b> , 95, 279-289	2.1	28
68	Particle trapping and retention by <i>Zostera noltii</i> : A flume and field study. <i>Aquatic Botany</i> , <b>2012</b> , 102, 15-228		26

67	In-line digital video holography for the study of erosion processes in sediments. <i>Measurement Science and Technology</i> , <b>2002</b> , 13, L7-L12	2	26
66	Alteration of biogenic structure and physical properties by tube-building chironomid larvae in cohesive sediments. <i>Aquatic Ecology</i> , <b>2004</b> , 38, 219-229	1.9	25
65	The effects of simulated rain on the erosion threshold and biogeochemical properties of intertidal sediments. <i>Continental Shelf Research</i> , <b>2008</b> , 28, 1217-1230	2.4	24
64	Wave and sediment dynamics along a shallow subtidal sandy beach inhabited by modern stromatolites. <i>Geobiology</i> , <b>2008</b> , 6, 21-32	4.3	23
63	Microbial interactions with physical sediment dynamics, and their significance for the interpretation of Earth's biological history. <i>Geobiology</i> , <b>2008</b> , 6, 1-4	4.3	22
62	Incipient erosion of biostabilized sediments examined using particle-field optical holography. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 2275-81	10.3	22
61	A conceptual framework for assessing the ecosystem service of waste remediation: In the marine environment. <i>Ecosystem Services</i> , <b>2016</b> , 20, 69-81	6.1	22
60	The role of zeta potential in the adhesion of <i>E. coli</i> to suspended intertidal sediments. <i>Water Research</i> , <b>2018</b> , 142, 159-166	12.5	22
59	Temperature Driven Changes in Benthic Bacterial Diversity Influences Biogeochemical Cycling in Coastal Sediments. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1730	5.7	21
58	Surface adhesion measurements in aquatic biofilms using magnetic particle induction: MagPI. <i>Limnology and Oceanography: Methods</i> , <b>2009</b> , 7, 490-497	2.6	20
57	Improvements to a passive trap for quantifying barnacle larval supply to semi-exposed rocky shores. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 332, 135-150	2.1	20
56	Preliminary observations on factors affecting foraging activity in the limpet <i>Patella vulgata</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>1990</b> , 70, 181-195	1.1	19
55	The impact of ocean acidification on the functional morphology of foraminifera. <i>PLoS ONE</i> , <b>2013</b> , 8, e83118	3.18	19
54	Nondestructive 3D Imaging and Quantification of Hydrated Biofilm-Sediment Aggregates Using X-ray Microcomputed Tomography. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13306-13313	10.3	19
53	Bedform migration in a mixed sand and cohesive clay intertidal environment and implications for bed material transport predictions. <i>Geomorphology</i> , <b>2018</b> , 315, 17-32	4.3	17
52	The swimming behaviour and distribution of <i>Neomysis integer</i> in relation to tidal flow. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>1999</b> , 242, 95-106	2.1	17
51	The effects of tidally-driven temporal variation on measuring intertidal cohesive sediment erosion threshold. <i>Aquatic Ecology</i> , <b>2006</b> , 40, 521-531	1.9	16
50	The quantitative variability and monosaccharide composition of sediment carbohydrates associated with intertidal diatom assemblages. <i>Biogeochemistry</i> , <b>1999</b> , 45, 303-327	3.8	16

49	The use of natural microphytobenthic assemblages as laboratory model systems. <i>Marine Ecology - Progress Series</i> , <b>2002</b> , 237, 15-25	2.6	15
48	Integrating field and laboratory approaches for ripple development in mixed sand-clay-EPS. <i>Sedimentology</i> , <b>2019</b> , 66, 2749-2768	3.3	14
47	The use of digital/electronic holography for biological applications. <i>Journal of Optics</i> , <b>2005</b> , 7, S399-S407		13
46	The fine structure of an algal mat from a freshwater maritime antarctic lake. <i>Canadian Journal of Botany</i> , <b>1990</b> , 68, 174-183		13
45	Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. <i>Journal of Sea Research</i> , <b>2015</b> , 98, 5-14	1.9	12
44	Effects of seawater pH and calcification rate on test Mg/Ca and Sr/Ca in cultured individuals of the benthic, calcitic foraminifera <i>Elphidium williamsoni</i> . <i>Chemical Geology</i> , <b>2011</b> , 289, 171-178	4.2	12
43	In-line laser holography and video analysis of eroded floc from engineered and estuarine sediments. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4640-8	10.3	12
42	Temporal variation in the sediment permeability of an intertidal sandflat. <i>Marine Ecology - Progress Series</i> , <b>2011</b> , 441, 49-63	2.6	11
41	LISP-UK Littoral Investigation of Sediment Properties: an introduction. <i>Geological Society Special Publication</i> , <b>1998</b> , 139, 1-10	1.7	11
40	Ecological best practice in decommissioning: a review of scientific research. <i>ICES Journal of Marine Science</i> , <b>2020</b> , 77, 1079-1091	2.7	11
39	Form, function and physics: the ecology of biogenic stabilisation. <i>Journal of Soils and Sediments</i> , <b>2018</b> , 18, 3044-3054	3.4	10
38	The effect of cyclic variation of shear stress on non-cohesive sediment stabilization by microbial biofilms: the role of Biofilm precursors. <i>Earth Surface Processes and Landforms</i> , <b>2019</b> , 44, 1471-1481	3.7	10
37	Proliferation of purple sulphur bacteria at the sediment surface affects intertidal mat diversity and functionality. <i>PLoS ONE</i> , <b>2013</b> , 8, e82329	3.7	9
36	Observations of coastal sediment erosion using in-line holography. <i>Journal of Optics</i> , <b>2004</b> , 6, 703-710		9
35	LISP-UK: AN HOLISTIC APPROACH TO THE INTERDISCIPLINARY STUDY OF TIDAL FLAT SEDIMENTATION. <i>Terra Nova</i> , <b>1996</b> , 8, 304-308	3	9
34	Diffusion gradient plates for herbicide toxicity tests on micro-algae and cyanobacteria. <i>Letters in Applied Microbiology</i> , <b>1988</b> , 7, 87-90	2.9	9
33	Chemical Dispersant Enhances Microbial Exopolymer (EPS) Production and Formation of Marine Oil/Dispersant Snow in Surface Waters of the Subarctic Northeast Atlantic. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 553	5.7	8
32	Low-temperature SEM imaging of polymer structure in engineered and natural sediments and the implications regarding stability. <i>Geoderma</i> , <b>2006</b> , 134, 48-55	6.7	8



31	THE EPIPHYLLOUS ALGAL COLONIZATION OF ELODEA CANADENSIS MICHX.: COMMUNITY STRUCTURE AND DEVELOPMENT. <i>New Phytologist</i> , <b>1986</b> , 103, 809-819	9.8	8
30	Microphytobenthic Biofilms: Composition and Interactions <b>2018</b> , 63-90		8
29	The effects of clam fishing on the properties of surface sediments in the lagoon of Venice, Italy. <i>Hydrology and Earth System Sciences</i> , <b>2004</b> , 8, 160-169	5.5	7
28	A novel shear vane used to determine the evolution of hydraulic dredge tracks in sub-tidal marine sediments. <i>Estuarine, Coastal and Shelf Science</i> , <b>2003</b> , 57, 1151-1158	2.9	7
27	Erosion of Cuttings Pile Sediments: A Laboratory Flume Study. <i>Underwater Technology</i> , <b>2002</b> , 25, 51-60	0.3	7
26	Ecosystem Function, Cell Micro-Cycling and the Structure of Transient Biofilms <b>2003</b> , 47-63		7
25	Biomediation of submarine sediment gravity flow dynamics. <i>Geology</i> , <b>2020</b> , 48, 72-76	5	6
24	Salt Marsh Microbial Ecology: Microbes, Benthic Mats and Sediment Movement. <i>Coastal and Estuarine Studies</i> , <b>2013</b> , 115-136		6
23	Mudflat Ecosystem Engineers and Services <b>2018</b> , 243-269		6
22	A comparison of short-term sediment deposition between natural and transplanted saltmarsh after saltmarsh restoration in the Eden Estuary (Scotland). <i>Plant Ecology and Diversity</i> , <b>2011</b> , 4, 103-113	2.2	5
21	Behaviour of Corophium volutator in Still versus Flowing Water. <i>Estuarine, Coastal and Shelf Science</i> , <b>2001</b> , 52, 357-362	2.9	5
20	Pigment fingerprints as markers of erosion and changes in cohesive sediment surface properties in simulated and natural erosion events. <i>Geological Society Special Publication</i> , <b>1998</b> , 139, 99-114	1.7	5
19	Organizing, supporting and linking the world marine biodiversity research community. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2015</b> , 95, 431-433	1.1	4
18	Siliciclastic Intertidal Microbial Sediments <b>2000</b> , 217-225		4
17	Sediment Dynamics of Natural and Restored Bolboschoenus maritimus Saltmarsh. <i>Frontiers in Ecology and Evolution</i> , <b>2019</b> , 7,	3.7	4
16	Intertidal Flats: Form and Function <b>2019</b> , 383-406		4
15	Ecosystem engineers drive differing microbial community composition in intertidal estuarine sediments. <i>PLoS ONE</i> , <b>2021</b> , 16, e0240952	3.7	4
14	Factors affecting the spatial and temporal distribution of E. coli in intertidal estuarine sediments. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 155-167	10.2	3

13	New insights into MagPI: a promising tool to determine the adhesive capacity of biofilm on the mesoscale. <i>Biofouling</i> , <b>2018</b> , 34, 618-629	3.3	3
12	Comparing the network structure and resilience of two benthic estuarine systems following the implementation of nutrient mitigation actions. <i>Estuarine, Coastal and Shelf Science</i> , <b>2020</b> , 244, 106059	2.9	3
11	Evaluation of estuarine biotic indices to assess macro-benthic structure and functioning following nutrient remediation actions: A case study on the Eden estuary Scotland. <i>Regional Studies in Marine Science</i> , <b>2018</b> , 24, 379-391	1.5	3
10	Sediment Microfabric of Oil Rig Drill Spoil Heaps: Preliminary Observations Using Low-Temperature Scanning Electron Microscopy. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 1983-1990	10.3	2
9	Introduction: Mudflat Basics <b>2018</b> , 1-9		2
8	Sediment phosphorus cycling in a large shallow lake: spatio-temporal variation in phosphorus pools and release <b>2007</b> , 37-48		2
7	Duplex DNA barcoding allows accurate species determination of morphologically similar limpets ( <i>Patella</i> spp.) from non-destructive sampling. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2017</b> , 97, 1479-1482	1.1	1
6	Biodynamics of Modern Marine Stromatolites. <i>Cellular Origin and Life in Extreme Habitats</i> , <b>2010</b> , 223-235		1
5	Ooid Accreting Diatom Communities from the Modern Marine Stromatolites at Highborne Cay, Bahamas. <i>Cellular Origin and Life in Extreme Habitats</i> , <b>2010</b> , 275-285		1
4	Biological Cohesion as the Architect of Bed Movement Under Wave Action. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092137	4.9	1
3	Hydrodynamics <b>2007</b> , 67-116		
2	Diatom Biofilms: Ecosystem Engineering and Niche Construction <b>2021</b> , 135-158		
1	Role of Microphytobenthos in the Functioning of Estuarine and Coastal Ecosystems. <i>Encyclopedia of the UN Sustainable Development Goals</i> , <b>2022</b> , 894-906	0.1	