

David M Paterson

List of Publications by Year in descending order

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157
papers

9,520
citations

23500

58
h-index

43802

91
g-index

162
all docs

162
docs citations

162
times ranked

7099
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term changes in the erodibility of intertidal cohesive sediments related to the migratory behavior of epipellic diatoms. <i>Limnology and Oceanography</i> , 1989, 34, 223-234.	1.6	404
2	The measurement of microbial carbohydrate exopolymers from intertidal sediments. <i>Limnology and Oceanography</i> , 1995, 40, 1243-1253.	1.6	315
3	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	2.7	289
4	Consistent patterns and the idiosyncratic effects of biodiversity in marine ecosystems. <i>Nature</i> , 2001, 411, 73-77.	13.7	277
5	Comparative structure, primary production and biogenic stabilization of cohesive and non-cohesive marine sediments inhabited by microphytobenthos. <i>Estuarine, Coastal and Shelf Science</i> , 1994, 39, 565-582.	0.9	252
6	THE UPS AND DOWNS OF LIFE IN A BENTHIC BIOFILM: MIGRATION OF BENTHIC DIATOMS. <i>Diatom Research</i> , 2004, 19, 181-202.	0.5	220
7	Working with Natural Cohesive Sediments. <i>Journal of Hydraulic Engineering</i> , 2002, 128, 2-8.	0.7	212
8	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> , 1993, 73, 871-887.	0.4	210
9	The importance of extracellular carbohydrate production by marine epipellic diatoms. <i>Advances in Botanical Research</i> , 2003, 40, 183-240.	0.5	209
10	Measuring the in situ Erosion Shear Stress of Intertidal Sediments with the Cohesive Strength Meter (CSM). <i>Estuarine, Coastal and Shelf Science</i> , 1999, 49, 281-294.	0.9	188
11	Interrelationships between Rates of Microbial Production, Exopolymer Production, Microbial Biomass, and Sediment Stability in Biofilms of Intertidal Sediments. <i>Microbial Ecology</i> , 2000, 39, 116-127.	1.4	165
12	The pervasive role of biological cohesion in bedform development. <i>Nature Communications</i> , 2015, 6, 6257.	5.8	165
13	Variations in sediment properties, Skeffling mudflat, Humber Estuary, UK. <i>Continental Shelf Research</i> , 2000, 20, 1373-1396.	0.9	137
14	Determination of microphytobenthic biomass using pulse-amplitude modulated minimum fluorescence. <i>European Journal of Phycology</i> , 2002, 37, 485-492.	0.9	133
15	Patterns in microphytobenthic primary productivity: Species-specific variation in migratory rhythms and photosynthetic efficiency in mixed-species biofilms. <i>Limnology and Oceanography</i> , 2005, 50, 755-767.	1.6	133
16	A comparison and measurement standardisation of four in situ devices for determining the erosion shear stress of intertidal sediments. <i>Continental Shelf Research</i> , 2000, 20, 1397-1418.	0.9	131
17	Water Flow, Sediment Dynamics and Benthic Biology. <i>Advances in Ecological Research</i> , 1999, 29, 155-193.	1.4	130
18	Adaptations of microphytobenthos assemblages to sediment type and tidal position. <i>Continental Shelf Research</i> , 2009, 29, 1624-1634.	0.9	127

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19	Microbiological mediation of spectral reflectance from intertidal cohesive sediments. <i>Limnology and Oceanography</i> , 1998, 43, 1207-1221.	1.6	118
20	PAM FLUORESCENCE: A BEGINNERS GUIDE FOR BENTHIC DIATOMISTS. <i>Diatom Research</i> , 2005, 20, 1-22.	0.5	114
21	Recovery of intertidal benthic diatoms after biocide treatment and associated sediment dynamics. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1993, 73, 25-45.	0.4	112
22	Microbial stabilization of riverine sediments by extracellular polymeric substances. <i>Geobiology</i> , 2008, 6, 57-69.	1.1	112
23	The role of biophysical cohesion on subaqueous bed form size. <i>Geophysical Research Letters</i> , 2016, 43, 1566-1573.	1.5	110
24	Subaerial exposure and changes in the stability of intertidal estuarine sediments. <i>Estuarine, Coastal and Shelf Science</i> , 1990, 30, 541-556.	0.9	106
25	The influence of an extracellular polymeric substance (EPS) on cohesive sediment stability. <i>Proceedings in Marine Science</i> , 2002, 5, 409-425.	0.1	104
26	In situ versus laboratory analysis of sediment stability from intertidal mudflats. <i>Continental Shelf Research</i> , 2000, 20, 1317-1334.	0.9	103
27	The Implications of Niche Construction and Ecosystem Engineering for Conservation Biology. <i>BioScience</i> , 2006, 56, 570.	2.2	102
28	Carbohydrate secretion by phototrophic communities in tidal sediments. <i>Journal of Sea Research</i> , 1999, 42, 131-146.	0.6	99
29	THE MIGRATORY BEHAVIOUR OF DIATOM ASSEMBLAGES IN A LABORATORY TIDAL MICRO-ECOSYSTEM EXAMINED BY LOW TEMPERATURE SCANNING ELECTRON MICROSCOPY. <i>Diatom Research</i> , 1986, 1, 227-239.	0.5	94
30	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> , 2003, 285-286, 165-177.	0.7	94
31	Photoacclimation, growth and distribution of massive coral species in clear and turbid waters. <i>Marine Ecology - Progress Series</i> , 2008, 369, 77-88.	0.9	91
32	The effect of geomorphological structures on potential biostabilisation by microphytobenthos on intertidal mudflats. <i>Continental Shelf Research</i> , 2000, 20, 1243-1256.	0.9	86
33	Bioturbation, ecosystem functioning and community structure. <i>Hydrology and Earth System Sciences</i> , 2002, 6, 999-1005.	1.9	86
34	The Stabilisation Potential of Individual and Mixed Assemblages of Natural Bacteria and Microalgae. <i>PLoS ONE</i> , 2010, 5, e13794.	1.1	84
35	Sediment phosphorus cycling in a large shallow lake: spatio-temporal variation in phosphorus pools and release. <i>Hydrobiologia</i> , 2007, 584, 37-48.	1.0	83
36	The role of microphytobenthos in soft sediment ecological networks and their contribution to the delivery of multiple ecosystem services. <i>Journal of Ecology</i> , 2020, 108, 815-830.	1.9	83

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37	THE SPEED OF DIATOM MIGRATION THROUGH NATURAL AND ARTIFICIAL SUBSTRATA. <i>Diatom Research</i> , 1993, 8, 371-384.	0.5	82
38	Microspatial Variation in Carbohydrate Concentrations with Depth in the Upper Millimetres of Intertidal Cohesive Sediments. <i>Estuarine, Coastal and Shelf Science</i> , 1998, 46, 359-370.	0.9	81
39	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> , 2003, 23, 575-586.	0.9	81
40	Effects of light on sediment nutrient flux and water column nutrient stoichiometry in a shallow lake. <i>Water Research</i> , 2008, 42, 977-986.	5.3	81
41	Long-term variation and regulation of internal phosphorus loading in Loch Leven. <i>Hydrobiologia</i> , 2012, 681, 23-33.	1.0	81
42	Making modelling count - increasing the contribution of shelf-seas community and ecosystem models to policy development and management. <i>Marine Policy</i> , 2015, 61, 291-302.	1.5	81
43	Marine biodiversityâ€™ecosystem functions under uncertain environmental futures. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2107-2116.	1.8	80
44	Organisms as cooperative ecosystem engineers in intertidal flats. <i>Journal of Sea Research</i> , 2014, 92, 92-101.	0.6	80
45	Sticky stuff: Redefining bedform prediction in modern and ancient environments. <i>Geology</i> , 2015, 43, 399-402.	2.0	80
46	Spatial dynamics of microphytobenthos determined by PAM fluorescence. <i>Estuarine, Coastal and Shelf Science</i> , 2005, 65, 30-42.	0.9	78
47	Small-scale temporal and spatial variability in the erosion threshold and properties of cohesive intertidal sediments. <i>Continental Shelf Research</i> , 2006, 26, 351-362.	0.9	76
48	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> , 2002, 245, 47-59.	0.9	76
49	Changes in cohesive sediment properties associated with the growth of a diatom biofilm. <i>Hydrobiologia</i> , 2008, 596, 225-239.	1.0	75
50	Influence of macrofaunal assemblages and environmental heterogeneity on microphytobenthic production in experimental systems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2547-2554.	1.2	74
51	Indirect effects may buffer negative responses of seagrass invertebrate communities to ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 461, 31-38.	0.7	74
52	Diatom migration and sediment armouring â€™ an example from the Tagus Estuary, Portugal. <i>Hydrobiologia</i> , 2003, 503, 183-193.	1.0	68
53	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> , 2005, 57, 68-73.	0.5	68
54	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> , 2006, 332, 60-74.	0.7	67

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55	Assessment of ecosystem function following marine aggregate dredging. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 366, 82-91.	0.7	66
56	Microbial Extracellular Polymeric Substances (EPS) in Fresh Water Sediments. <i>Microbial Ecology</i> , 2009, 58, 334-349.	1.4	64
57	Biogenic structure of early sediment fabric visualized by low-temperature scanning electron microscopy. <i>Journal of the Geological Society</i> , 1995, 152, 131-140.	0.9	63
58	Site-specific features influence sediment stability of intertidal flats. <i>Hydrology and Earth System Sciences</i> , 2002, 6, 971-982.	1.9	63
59	Ecology of intertidal microbial biofilms: Mechanisms, patterns and future research needs. <i>Journal of Sea Research</i> , 2014, 92, 2-5.	0.6	59
60	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> , 2001, 81, 151-162.	0.4	58
61	Hindered erosion: The biological mediation of noncohesive sediment behavior. <i>Water Resources Research</i> , 2017, 53, 4787-4801.	1.7	58
62	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> , 2004, 81, 91-101.	1.6	57
63	Relationship of intertidal surface sediment chlorophyll concentration to hyperspectral reflectance and chlorophyll fluorescence. <i>Estuaries and Coasts</i> , 2006, 29, 183-196.	1.0	57
64	Impacts of physical disturbance on the recovery of a macrofaunal community: A comparative analysis using traditional and novel approaches. <i>Ecological Indicators</i> , 2012, 12, 37-45.	2.6	54
65	Species effects on ecosystem processes are modified by faunal responses to habitat composition. <i>Oecologia</i> , 2008, 158, 511-520.	0.9	53
66	Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. <i>Oikos</i> , 2012, 121, 1801-1809.	1.2	53
67	Microbial assemblages as ecosystem engineers of sediment stability. <i>Journal of Soils and Sediments</i> , 2009, 9, 640-652.	1.5	52
68	Phosphorus partitioning in a shallow lake: implications for water quality management. <i>Water and Environment Journal</i> , 2007, 21, 47-53.	1.0	50
69	Light-Dependant Biostabilisation of Sediments by Stromatolite Assemblages. <i>PLoS ONE</i> , 2008, 3, e3176.	1.1	50
70	Impact of biodiversity-climate futures on primary production and metabolism in a model benthic estuarine system. <i>BMC Ecology</i> , 2011, 11, 7.	3.0	50
71	Spatial and historical variation in sediment phosphorus fractions and mobility in a large shallow lake. <i>Water Research</i> , 2006, 40, 383-391.	5.3	48
72	Bacterivorous nematodes stimulate microbial growth and exopolymer production in marine sediment microcosms. <i>Marine Ecology - Progress Series</i> , 2010, 419, 85-94.	0.9	47

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73	Microalgal sediment biostabilisation along a salinity gradient in the Eden Estuary, Scotland: unravelling a paradox. <i>Marine and Freshwater Research</i> , 2008, 59, 313.	0.7	44
74	The effects of rain on the erosion threshold of intertidal cohesive sediments. <i>Aquatic Ecology</i> , 2006, 40, 533-541.	0.7	43
75	The engineering potential of natural benthic bacterial assemblages in terms of the erosion resistance of sediments. <i>FEMS Microbiology Ecology</i> , 2008, 66, 282-294.	1.3	43
76	Impairment of the Bacterial Biofilm Stability by Triclosan. <i>PLoS ONE</i> , 2012, 7, e31183.	1.1	43
77	Microbiological mediation of sediment structure and behaviour. , 1994, , 97-109.		42
78	Effects of vertical migrations by benthic microalgae on fluorescence measurements of photophysiology. <i>Marine Ecology - Progress Series</i> , 2006, 315, 55-66.	0.9	42
79	Impacts of biogenic structures on benthic assemblages: microbes, meiofauna, macrofauna and related ecosystem functions. <i>Marine Ecology - Progress Series</i> , 2012, 465, 85-97.	0.9	40
80	Temperature Driven Changes in Benthic Bacterial Diversity Influences Biogeochemical Cycling in Coastal Sediments. <i>Frontiers in Microbiology</i> , 2018, 9, 1730.	1.5	40
81	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> , 2011, 62, 2087-2094.	2.3	39
82	The role of herbicides in the erosion of salt marshes in eastern England. <i>Environmental Pollution</i> , 2003, 122, 41-49.	3.7	37
83	Extracellular polymeric substances: quantification and use in erosion experiments. <i>Continental Shelf Research</i> , 2004, 24, 1623-1635.	0.9	37
84	Calibration of the high-pressure cohesive strength meter (CSM). <i>Continental Shelf Research</i> , 2007, 27, 1190-1199.	0.9	36
85	The impact of organic pollution on the macrobenthic fauna of Dubai Creek (UAE). <i>Marine Pollution Bulletin</i> , 2007, 54, 1715-1723.	2.3	36
86	Culture studies of the benthic foraminifera <i>Elphidium williamsoni</i> : Evaluating pH, $\hat{a}^{\dagger}[\text{CO}_3^{2-}]$ and inter-individual effects on test Mg/Ca. <i>Chemical Geology</i> , 2010, 274, 87-93.	1.4	36
87	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> , 2011, 92, 358-366.	0.9	36
88	Title is missing!. <i>Biogeochemistry</i> , 1999, 45, 303-327.	1.7	35
89	In-line digital video holography for the study of erosion processes in sediments. <i>Measurement Science and Technology</i> , 2002, 13, L7-L12.	1.4	35
90	Alteration of biogenic structure and physical properties by tube-building chironomid larvae in cohesive sediments. <i>Aquatic Ecology</i> , 2004, 38, 219-229.	0.7	35

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91	A conceptual framework for assessing the ecosystem service of waste remediation: In the marine environment. <i>Ecosystem Services</i> , 2016, 20, 69-81.	2.3	35
92	The role of zeta potential in the adhesion of E.Âcoli to suspended intertidal sediments. <i>Water Research</i> , 2018, 142, 159-166.	5.3	35
93	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> , 1986, 95, 279-289.	0.7	34
94	Temporal and spatial distributions of moisture and organic contents across a macro-tidal mudflat. <i>Continental Shelf Research</i> , 2000, 20, 1219-1241.	0.9	34
95	Microbial interactions with physical sediment dynamics, and their significance for the interpretation of Earth's biological history. <i>Geobiology</i> , 2008, 6, 1-4.	1.1	31
96	Particle trapping and retention by <i>Zostera noltii</i> : A flume and field study. <i>Aquatic Botany</i> , 2012, 102, 15-22.	0.8	31
97	Nondestructive 3D Imaging and Quantification of Hydrated Biofilm-Sediment Aggregates Using X-ray Microcomputed Tomography. <i>Environmental Science & Technology</i> , 2018, 52, 13306-13313.	4.6	30
98	Wave and sediment dynamics along a shallow subtidal sandy beach inhabited by modern stromatolites. <i>Geobiology</i> , 2008, 6, 21-32.	1.1	28
99	The effects of simulated rain on the erosion threshold and biogeochemical properties of intertidal sediments. <i>Continental Shelf Research</i> , 2008, 28, 1217-1230.	0.9	28
100	Incipient Erosion of Biostabilized Sediments Examined Using Particle-Field Optical Holography. <i>Environmental Science & Technology</i> , 2001, 35, 2275-2281.	4.6	26
101	Ecological best practice in decommissioning: a review of scientific research. <i>ICES Journal of Marine Science</i> , 2020, 77, 1079-1091.	1.2	26
102	Surface adhesion measurements in aquatic biofilms using magnetic particle induction: MagPI. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 490-497.	1.0	25
103	Bedform migration in a mixed sand and cohesive clay intertidal environment and implications for bed material transport predictions. <i>Geomorphology</i> , 2018, 315, 17-32.	1.1	25
104	The Impact of Ocean Acidification on the Functional Morphology of Foraminifera. <i>PLoS ONE</i> , 2013, 8, e83118.	1.1	25
105	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> , 1990, 70, 181-195.	0.4	24
106	Improvements to a passive trap for quantifying barnacle larval supply to semi-exposed rocky shores. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 332, 135-150.	0.7	24
107	Form, function and physics: the ecology of biogenic stabilisation. <i>Journal of Soils and Sediments</i> , 2018, 18, 3044-3054.	1.5	20
108	Integrating field and laboratory approaches for ripple development in mixed sand&€“clay&€“EPS. <i>Sedimentology</i> , 2019, 66, 2749-2768.	1.6	20

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109	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> , 2019, 44, 1471-1481.	1.2	20
110	The swimming behaviour and distribution of <i>Neomysis integer</i> in relation to tidal flow. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 242, 95-106.	0.7	19
111	The use of natural microphytobenthic assemblages as laboratory model systems. <i>Marine Ecology - Progress Series</i> , 2002, 237, 15-25.	0.9	19
112	The effects of tidally-driven temporal variation on measuring intertidal cohesive sediment erosion threshold. <i>Aquatic Ecology</i> , 2006, 40, 521-531.	0.7	17
113	Biomediation of submarine sediment gravity flow dynamics. <i>Geology</i> , 2020, 48, 72-76.	2.0	17
114	The fine structure of an algal mat from a freshwater maritime antarctic lake. <i>Canadian Journal of Botany</i> , 1990, 68, 174-183.	1.2	16
115	Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. <i>Journal of Sea Research</i> , 2015, 98, 5-14.	0.6	16
116	LISP-UK Littoral Investigation of Sediment Properties: an introduction. <i>Geological Society Special Publication</i> , 1998, 139, 1-10.	0.8	15
117	In-Line Laser Holography and Video Analysis of Eroded Floc from Engineered and Estuarine Sediments. <i>Environmental Science & Technology</i> , 2004, 38, 4640-4648.	4.6	15
118	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> , 1998, 139, 99-114.	0.8	14
119	The use of digital/electronic holography for biological applications. <i>Journal of Optics</i> , 2005, 7, S399-S407.	1.5	14
120	Mudflat Ecosystem Engineers and Services. , 2018, , 243-269.		14
121	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> , 2011, 289, 171-178.	1.4	13
122	Diffusion gradient plates for herbicide toxicity tests on micro-algae and cyanobacteria. <i>Letters in Applied Microbiology</i> , 1988, 7, 87-90.	1.0	12
123	Temporal variation in the sediment permeability of an intertidal sandflat. <i>Marine Ecology - Progress Series</i> , 2011, 441, 49-63.	0.9	12
124	Microphytobenthic Biofilms: Composition and Interactions. , 2018, , 63-90.		12
125	Ecosystem engineers drive differing microbial community composition in intertidal estuarine sediments. <i>PLoS ONE</i> , 2021, 16, e0240952.	1.1	12
126	Low-temperature SEM imaging of polymer structure in engineered and natural sediments and the implications regarding stability. <i>Geoderma</i> , 2006, 134, 48-55.	2.3	11

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127	Proliferation of Purple Sulphur Bacteria at the Sediment Surface Affects Intertidal Mat Diversity and Functionality. <i>PLoS ONE</i> , 2013, 8, e82329.	1.1	11
128	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> , 2019, 10, 553.	1.5	11
129	Ecosystem Function, Cell Micro-Cycling and the Structure of Transient Biofilms. , 2003, , 47-63.		11
130	LISP-UK: AN HOLISTIC APPROACH TO THE INTERDISCIPLINARY STUDY OF TIDAL FLAT SEDIMENTATION. <i>Terra Nova</i> , 1996, 8, 304-308.	0.9	10
131	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> , 2020, 244, 106059.	0.9	10
132	Biological Cohesion as the Architect of Bed Movement Under Wave Action. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092137.	1.5	10
133	The effects of clam fishing on the properties of surface sediments in the lagoon of Venice, Italy. <i>Hydrology and Earth System Sciences</i> , 2004, 8, 160-169.	1.9	9
134	Observations of coastal sediment erosion using in-line holography. <i>Journal of Optics</i> , 2004, 6, 703-710.	1.5	9
135	THE EPIPHYLLOUS ALGAL COLONIZATION OF <i>ELODEA CANADENSIS</i> MICHX.: COMMUNITY STRUCTURE AND DEVELOPMENT. <i>New Phytologist</i> , 1986, 103, 809-819.	3.5	8
136	Erosion of Cuttings Pile Sediments: A Laboratory Flume Study. <i>Underwater Technology</i> , 2002, 25, 51-60.	0.3	8
137	Sediment Dynamics of Natural and Restored <i>Bolboschoenus maritimus</i> Saltmarsh. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	8
138	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> , 2003, 57, 1151-1158.	0.9	7
139	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> , 2011, 4, 103-113.	1.0	7
140	Salt Marsh Microbial Ecology: Microbes, Benthic Mats and Sediment Movement. <i>Coastal and Estuarine Studies</i> , 2013, , 115-136.	0.4	7
141	Behaviour of <i>Corophium volutator</i> in Still versus Flowing Water. <i>Estuarine, Coastal and Shelf Science</i> , 2001, 52, 357-362.	0.9	6
142	Factors affecting the spatial and temporal distribution of <i>E. coli</i> in intertidal estuarine sediments. <i>Science of the Total Environment</i> , 2019, 661, 155-167.	3.9	6
143	Intertidal Flats. , 2019, , 383-406.		6
144	Siliciclastic Intertidal Microbial Sediments. , 2000, , 217-225.		6

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145	Assessing Risk of <i>E. coli</i> Resuspension from Intertidal Estuarine Sediments: Implications for Water Quality. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3255.	1.2	5
146	Organizing, supporting and linking the world marine biodiversity research community. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 431-433.	0.4	4
147	Biodynamics of Modern Marine Stromatolites. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010, , 223-235.	0.3	4
148	Editorial: Advances and Challenges in Microphytobenthos Research: From Cell Biology to Coastal Ecosystem Function. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	4
149	Introduction: Mudflat Basics. , 2018, , 1-9.		3
150	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> , 2018, 24, 379-391.	0.4	3
151	New insights into MagPI: a promising tool to determine the adhesive capacity of biofilm on the mesoscale. <i>Biofouling</i> , 2018, 34, 618-629.	0.8	3
152	Sediment Microfabric of Oil Rig Drill Spoil Heaps: Preliminary Observations Using Low-Temperature Scanning Electron Microscopy. <i>Environmental Science & Technology</i> , 1999, 33, 1983-1990.	4.6	2
153	Role of Microphytobenthos in the Functioning of Estuarine and Coastal Ecosystems. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2021, , 1-13.	0.0	2
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