

David M Paterson

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.

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	Role of Microphytobenthos in the Functioning of Estuarine and Coastal Ecosystems. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2022 , 894-906	0.1	
155	Diatom Biofilms: Ecosystem Engineering and Niche Construction 2021 , 135-158		
154	Ecosystem engineers drive differing microbial community composition in intertidal estuarine sediments. <i>PLoS ONE</i> , 2021 , 16, e0240952	3.7	4
153	Biological Cohesion as the Architect of Bed Movement Under Wave Action. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092137	4.9	1
152	Biomediation of submarine sediment gravity flow dynamics. <i>Geology</i> , 2020 , 48, 72-76	5	6
151	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	6	41
150	Ecological best practice in decommissioning: a review of scientific research. <i>ICES Journal of Marine Science</i> , 2020 , 77, 1079-1091	2.7	11
149	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	2.9	3
148	Factors affecting the spatial and temporal distribution of E. coli in intertidal estuarine sediments. <i>Science of the Total Environment</i> , 2019 , 661, 155-167	10.2	3
147	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	5.7	8
146	Integrating field and laboratory approaches for ripple development in mixed sand-clay-EPS. <i>Sedimentology</i> , 2019 , 66, 2749-2768	3.3	14
145	Sediment Dynamics of Natural and Restored <i>Bolboschoenus maritimus</i> Saltmarsh. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	4
144	Intertidal Flats: Form and Function 2019 , 383-406		4
143	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	3.7	10
142	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	4.3	17
141	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018 , 27, 760-786	6.1	153
140	Form, function and physics: the ecology of biogenic stabilisation. <i>Journal of Soils and Sediments</i> , 2018 , 18, 3044-3054	3.4	10

139	New insights into MagPI: a promising tool to determine the adhesive capacity of biofilm on the mesoscale. <i>Biofouling</i> , 2018 , 34, 618-629	3.3	3
138	Mudflat Ecosystem Engineers and Services 2018 , 243-269		6
137	Microphytobenthic Biofilms: Composition and Interactions 2018 , 63-90		8
136	Introduction: Mudflat Basics 2018 , 1-9		2
135	Nondestructive 3D Imaging and Quantification of Hydrated Biofilm-Sediment Aggregates Using X-ray Microcomputed Tomography. <i>Environmental Science & Technology</i> , 2018 , 52, 13306-13313	10.3	19
134	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	1.5	3
133	Temperature Driven Changes in Benthic Bacterial Diversity Influences Biogeochemical Cycling in Coastal Sediments. <i>Frontiers in Microbiology</i> , 2018 , 9, 1730	5.7	21
132	The role of zeta potential in the adhesion of <i>E. coli</i> to suspended intertidal sediments. <i>Water Research</i> , 2018 , 142, 159-166	12.5	22
131	Hindered erosion: The biological mediation of noncohesive sediment behavior. <i>Water Resources Research</i> , 2017 , 53, 4787-4801	5.4	36
130	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> , 2017 , 97, 1479-1482	1.1	1
129	The role of biophysical cohesion on subaqueous bed form size. <i>Geophysical Research Letters</i> , 2016 , 43, 1566-1573	4.9	70
128	A conceptual framework for assessing the ecosystem service of waste remediation: In the marine environment. <i>Ecosystem Services</i> , 2016 , 20, 69-81	6.1	22
127	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	1.1	4
126	Sticky stuff: Redefining bedform prediction in modern and ancient environments. <i>Geology</i> , 2015 , 43, 399-402	5	56
125	The pervasive role of biological cohesion in bedform development. <i>Nature Communications</i> , 2015 , 6, 6257	17.4	124
124	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	3.5	57
123	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	1.9	12
122	Ecology of intertidal microbial biofilms: Mechanisms, patterns and future research needs. <i>Journal of Sea Research</i> , 2014 , 92, 2-5	1.9	51

121	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	2.1	61
120	Organisms as cooperative ecosystem engineers in intertidal flats. <i>Journal of Sea Research</i> , 2014 , 92, 92-104	3.1	58
119	Salt Marsh Microbial Ecology: Microbes, Benthic Mats and Sediment Movement. <i>Coastal and Estuarine Studies</i> , 2013 , 115-136		6
118	Proliferation of purple sulphur bacteria at the sediment surface affects intertidal mat diversity and functionality. <i>PLoS ONE</i> , 2013 , 8, e82329	3.7	9
117	The impact of ocean acidification on the functional morphology of foraminifera. <i>PLoS ONE</i> , 2013 , 8, e83118	3.18	19
116	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	4	46
115	Long-term variation and regulation of internal phosphorus loading in Loch Leven. <i>Hydrobiologia</i> , 2012 , 681, 23-33	2.4	71
114	Impacts of biogenic structures on benthic assemblages: microbes, meiofauna, macrofauna and related ecosystem functions. <i>Marine Ecology - Progress Series</i> , 2012 , 465, 85-97	2.6	38
113	Particle trapping and retention by <i>Zostera noltii</i> : A flume and field study. <i>Aquatic Botany</i> , 2012 , 102, 15-22	2.28	26
112	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	5.8	45
111	Impairment of the bacterial biofilm stability by triclosan. <i>PLoS ONE</i> , 2012 , 7, e31183	3.7	35
110	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	4.2	12
109	Temporal variation in the sediment permeability of an intertidal sandflat. <i>Marine Ecology - Progress Series</i> , 2011 , 441, 49-63	2.6	11
108	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, 2087-94	6.7	32
107	Impact of biodiversity-climate futures on primary production and metabolism in a model benthic estuarine system. <i>BMC Ecology</i> , 2011 , 11, 7	2.7	38
106	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	2.9	31
105	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	2.2	5
104	Marine biodiversity-ecosystem functions under uncertain environmental futures. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 2107-16	5.8	66

103	Culture studies of the benthic foraminifera <i>Elphidium williamsoni</i> : Evaluating pH, [CO ₃ ²⁻] and inter-individual effects on test Mg/Ca. <i>Chemical Geology</i> , 2010 , 274, 87-93	4.2	29
102	Bacterivorous nematodes stimulate microbial growth and exopolymer production in marine sediment microcosms. <i>Marine Ecology - Progress Series</i> , 2010 , 419, 85-94	2.6	41
101	The stabilisation potential of individual and mixed assemblages of natural bacteria and microalgae. <i>PLoS ONE</i> , 2010 , 5, e13794	3.7	63
100	Biodynamics of Modern Marine Stromatolites. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010 , 223-235		1
99	Ooid Accreting Diatom Communities from the Modern Marine Stromatolites at Highborne Cay, Bahamas. <i>Cellular Origin and Life in Extreme Habitats</i> , 2010 , 275-285		1
98	Microbial assemblages as ecosystem engineers of sediment stability. <i>Journal of Soils and Sediments</i> , 2009 , 9, 640-652	3.4	43
97	Microbial extracellular polymeric substances (EPS) in fresh water sediments. <i>Microbial Ecology</i> , 2009 , 58, 334-49	4.4	51
96	Adaptations of microphytobenthos assemblages to sediment type and tidal position. <i>Continental Shelf Research</i> , 2009 , 29, 1624-1634	2.4	106
95	Surface adhesion measurements in aquatic biofilms using magnetic particle induction: MagPI. <i>Limnology and Oceanography: Methods</i> , 2009 , 7, 490-497	2.6	20
94	Assessment of ecosystem function following marine aggregate dredging. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 366, 82-91	2.1	59
93	Effects of light on sediment nutrient flux and water column nutrient stoichiometry in a shallow lake. <i>Water Research</i> , 2008 , 42, 977-86	12.5	69
92	The effects of simulated rain on the erosion threshold and biogeochemical properties of intertidal sediments. <i>Continental Shelf Research</i> , 2008 , 28, 1217-1230	2.4	24
91	Microalgal sediment biostabilisation along a salinity gradient in the Eden Estuary, Scotland: unravelling a paradox. <i>Marine and Freshwater Research</i> , 2008 , 59, 313	2.2	36
90	Light-dependant biostabilisation of sediments by stromatolite assemblages. <i>PLoS ONE</i> , 2008 , 3, e3176	3.7	41
89	Microbial stabilization of riverine sediments by extracellular polymeric substances. <i>Geobiology</i> , 2008 , 6, 57-69	4.3	74
88	Microbial interactions with physical sediment dynamics, and their significance for the interpretation of Earth's biological history. <i>Geobiology</i> , 2008 , 6, 1-4	4.3	22
87	Wave and sediment dynamics along a shallow subtidal sandy beach inhabited by modern stromatolites. <i>Geobiology</i> , 2008 , 6, 21-32	4.3	23
86	Changes in cohesive sediment properties associated with the growth of a diatom biofilm. <i>Hydrobiologia</i> , 2008 , 596, 225-239	2.4	65

85	Species effects on ecosystem processes are modified by faunal responses to habitat composition. <i>Oecologia</i> , 2008 , 158, 511-20	2.9	50
84	The engineering potential of natural benthic bacterial assemblages in terms of the erosion resistance of sediments. <i>FEMS Microbiology Ecology</i> , 2008 , 66, 282-94	4.3	32
83	Photoacclimation, growth and distribution of massive coral species in clear and turbid waters. <i>Marine Ecology - Progress Series</i> , 2008 , 369, 77-88	2.6	63
82	Phosphorus partitioning in a shallow lake: implications for water quality management. <i>Water and Environment Journal</i> , 2007 , 21, 47-53	1.7	41
81	The impact of organic pollution on the macrobenthic fauna of Dubai Creek (UAE). <i>Marine Pollution Bulletin</i> , 2007 , 54, 1715-23	6.7	28
80	Sediment phosphorus cycling in a large shallow lake: spatio-temporal variation in phosphorus pools and release. <i>Hydrobiologia</i> , 2007 , 584, 37-48	2.4	73
79	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, 2547-54	4.4	64
78	Calibration of the high-pressure cohesive strength meter (CSM). <i>Continental Shelf Research</i> , 2007 , 27, 1190-1199	2.4	31
77	Hydrodynamics 2007 , 67-116		
76	Sediment phosphorus cycling in a large shallow lake: spatio-temporal variation in phosphorus pools and release 2007 , 37-48		2
75	Relationship of intertidal surface sediment chlorophyll concentration to hyperspectral reflectance and chlorophyll fluorescence. <i>Estuaries and Coasts</i> , 2006 , 29, 183-196	2.8	46
74	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	2.1	51
73	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	2.1	20
72	Low-temperature SEM imaging of polymer structure in engineered and natural sediments and the implications regarding stability. <i>Geoderma</i> , 2006 , 134, 48-55	6.7	8
71	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	2.4	65
70	Spatial and historical variation in sediment phosphorus fractions and mobility in a shallow lake. <i>Water Research</i> , 2006 , 40, 383-91	12.5	40
69	The Implications of Niche Construction and Ecosystem Engineering for Conservation Biology. <i>BioScience</i> , 2006 , 56, 570	5.7	82
68	The effects of rain on the erosion threshold of intertidal cohesive sediments. <i>Aquatic Ecology</i> , 2006 , 40, 533-541	1.9	41

67	The effects of tidally-driven temporal variation on measuring intertidal cohesive sediment erosion threshold. <i>Aquatic Ecology</i> , 2006 , 40, 521-531	1.9	16
66	Effects of vertical migrations by benthic microalgae on fluorescence measurements of photophysiology. <i>Marine Ecology - Progress Series</i> , 2006 , 315, 55-66	2.6	36
65	PAM FLUORESCENCE: A BEGINNERS GUIDE FOR BENTHIC DIATOMISTS. <i>Diatom Research</i> , 2005 , 20, 1-22	0.9	92
64	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	4.8	99
63	Spatial dynamics of microphytobenthos determined by PAM fluorescence. <i>Estuarine, Coastal and Shelf Science</i> , 2005 , 65, 30-42	2.9	63
62	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	1.7	47
61	The use of digital/electronic holography for biological applications. <i>Journal of Optics</i> , 2005 , 7, S399-S407		13
60	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	5.5	7
59	Observations of coastal sediment erosion using in-line holography. <i>Journal of Optics</i> , 2004 , 6, 703-710		9
58	Alteration of biogenic structure and physical properties by tube-building chironomid larvae in cohesive sediments. <i>Aquatic Ecology</i> , 2004 , 38, 219-229	1.9	25
57	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	3.7	43
56	In-line laser holography and video analysis of eroded floc from engineered and estuarine sediments. <i>Environmental Science & Technology</i> , 2004 , 38, 4640-8	10.3	12
55	THE UPS AND DOWNS OF LIFE IN A BENTHIC BIOFILM: MIGRATION OF BENTHIC DIATOMS. <i>Diatom Research</i> , 2004 , 19, 181-202	0.9	187
54	Extracellular polymeric substances: quantification and use in erosion experiments. <i>Continental Shelf Research</i> , 2004 , 24, 1623-1635	2.4	31
53	Diatom migration and sediment armouring: An example from the Tagus Estuary, Portugal. <i>Hydrobiologia</i> , 2003 , 503, 183-193	2.4	57
52	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	2.9	7
51	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	2.1	74
50	The role of herbicides in the erosion of salt marshes in eastern England. <i>Environmental Pollution</i> , 2003 , 122, 41-9	9.3	29

49	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	2.4	69
48	The importance of extracellular carbohydrate production by marine epipelagic diatoms. <i>Advances in Botanical Research</i> , 2003 , 40, 183-240	2.2	162
47	Ecosystem Function, Cell Micro-Cycling and the Structure of Transient Biofilms 2003 , 47-63		7
46	Site-specific features influence sediment stability of intertidal flats. <i>Hydrology and Earth System Sciences</i> , 2002 , 6, 971-982	5.5	50
45	Bioturbation, ecosystem functioning and community structure. <i>Hydrology and Earth System Sciences</i> , 2002 , 6, 999-1005	5.5	56
44	The influence of an extracellular polymeric substance (EPS) on cohesive sediment stability. <i>Proceedings in Marine Science</i> , 2002 , 5, 409-425		79
43	In-line digital video holography for the study of erosion processes in sediments. <i>Measurement Science and Technology</i> , 2002 , 13, L7-L12	2	26
42	Determination of microphytobenthic biomass using pulse-amplitude modulated minimum fluorescence. <i>European Journal of Phycology</i> , 2002 , 37, 485-492	2.2	112
41	Erosion of Cuttings Pile Sediments: A Laboratory Flume Study. <i>Underwater Technology</i> , 2002 , 25, 51-60	0.3	7
40	Working with Natural Cohesive Sediments. <i>Journal of Hydraulic Engineering</i> , 2002 , 128, 2-8	1.8	172
39	The use of natural microphytobenthic assemblages as laboratory model systems. <i>Marine Ecology - Progress Series</i> , 2002 , 237, 15-25	2.6	15
38	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	2.6	62
37	Behaviour of <i>Corophium volutator</i> in Still versus Flowing Water. <i>Estuarine, Coastal and Shelf Science</i> , 2001 , 52, 357-362	2.9	5
36	Consistent patterns and the idiosyncratic effects of biodiversity in marine ecosystems. <i>Nature</i> , 2001 , 411, 73-7	50.4	230
35	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	1.1	48
34	Incipient erosion of biostabilized sediments examined using particle-field optical holography. <i>Environmental Science & Technology</i> , 2001 , 35, 2275-81	10.3	22
33	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	4.4	137
32	Temporal and spatial distributions of moisture and organic contents across a macro-tidal mudflat. <i>Continental Shelf Research</i> , 2000 , 20, 1219-1241	2.4	31

31	The effect of geomorphological structures on potential biostabilisation by microphytobenthos on intertidal mudflats. <i>Continental Shelf Research</i> , 2000 , 20, 1243-1256	2.4	73
30	In situ versus laboratory analysis of sediment stability from intertidal mudflats. <i>Continental Shelf Research</i> , 2000 , 20, 1317-1334	2.4	94
29	Variations in sediment properties, Skeffling mudflat, Humber Estuary, UK. <i>Continental Shelf Research</i> , 2000 , 20, 1373-1396	2.4	119
28	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	2.4	111
27	Siliciclastic Intertidal Microbial Sediments 2000 , 217-225		4
26	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	2.9	158
25	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	2.1	17
24	Water Flow, Sediment Dynamics and Benthic Biology. <i>Advances in Ecological Research</i> , 1999 , 29, 155-193	4.6	98
23	Carbohydrate secretion by phototrophic communities in tidal sediments. <i>Journal of Sea Research</i> , 1999 , 42, 131-146	1.9	85
22	The quantitative variability and monosaccharide composition of sediment carbohydrates associated with intertidal diatom assemblages. <i>Biogeochemistry</i> , 1999 , 45, 303-327	3.8	16
21	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	10.3	2
20	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	2.9	73
19	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	1.7	5
18	LISP-UK Littoral Investigation of Sediment Properties: an introduction. <i>Geological Society Special Publication</i> , 1998 , 139, 1-10	1.7	11
17	Microbiological mediation of spectral reflectance from intertidal cohesive sediments. <i>Limnology and Oceanography</i> , 1998 , 43, 1207-1221	4.8	82
16	LISP-UK: AN HOLISTIC APPROACH TO THE INTERDISCIPLINARY STUDY OF TIDAL FLAT SEDIMENTATION. <i>Terra Nova</i> , 1996 , 8, 304-308	3	9
15	Biogenic structure of early sediment fabric visualized by low-temperature scanning electron microscopy. <i>Journal of the Geological Society</i> , 1995 , 152, 131-140	2.7	57
14	The measurement of microbial carbohydrate exopolymers from intertidal sediments. <i>Limnology and Oceanography</i> , 1995 , 40, 1243-1253	4.8	230

13	Microbiological mediation of sediment structure and behaviour 1994 , 97-109		29
12	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	2.9	203
11	THE SPEED OF DIATOM MIGRATION THROUGH NATURAL AND ARTIFICIAL SUBSTRATA. <i>Diatom Research</i> , 1993 , 8, 371-384	0.9	75
10	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	1.1	159
9	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	1.1	92
8	The fine structure of an algal mat from a freshwater maritime antarctic lake. <i>Canadian Journal of Botany</i> , 1990 , 68, 174-183		13
7	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	1.1	19
6	Subaerial exposure and changes in the stability of intertidal estuarine sediments. <i>Estuarine, Coastal and Shelf Science</i> , 1990 , 30, 541-556	2.9	93
5	Short-term changes in the erodibility of intertidal cohesive sediments related to the migratory behavior of epipelagic diatoms. <i>Limnology and Oceanography</i> , 1989 , 34, 223-234	4.8	314
4	Diffusion gradient plates for herbicide toxicity tests on micro-algae and cyanobacteria. <i>Letters in Applied Microbiology</i> , 1988 , 7, 87-90	2.9	9
3	THE EPIPHYLLOUS ALGAL COLONIZATION OF <i>ELODEA CANADENSIS</i> MICHX.: COMMUNITY STRUCTURE AND DEVELOPMENT. <i>New Phytologist</i> , 1986 , 103, 809-819	9.8	8
2	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	2.1	28
1	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	0.9	79