Les Watling

List of Publications by Year
in descending order

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118 papers	5,254 citations	126907 33 h-index	95266 68 g-index
123 all docs	123 docs citations	123 times ranked	4696 citing authors

#	Article	IF	Citations
1	Disturbance of the Seabed by Mobile Fishing Gear: A Comparison to Forest Clearcutting. Conservation Biology, 1998, 12, 1180-1197.	4.7	577
2	Efficacy of Phospholipid Analysis in Determining Microbial Biomass in Sediments. Applied and Environmental Microbiology, 1989, 55, 2888-2893.	3.1	360
3	Hydrothermal Vents and Methane Seeps: Rethinking the Sphere of Influence. Frontiers in Marine Science, 2016, 3, .	2.5	294
4	A proposed biogeography of the deep ocean floor. Progress in Oceanography, 2013, 111, 91-112.	3.2	278
5	The impacts of mobile fishing gear on seafloor habitats in the gulf of Maine (Northwest Atlantic): Implications for conservation of fish populations. Reviews in Fisheries Science, 1996, 4, 185-202.	2.1	244
6	Biotic and Human Vulnerability to Projected Changes in Ocean Biogeochemistry over the 21st Century. PLoS Biology, 2013, 11, e1001682.	5.6	194
7	From principles to practice: a spatial approach to systematic conservation planning in the deep sea. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131684.	2.6	179
8	Biodiversity loss from deep-sea mining. Nature Geoscience, 2017, 10, 464-465.	12.9	154
9	Environmental Impact of Salmon Net-Pen Culture on Marine Benthic Communities in Maine: A Case Study. Estuaries and Coasts, 1995, 18, 145.	1.7	149
10	Taxonomy based on science is necessary for global conservation. PLoS Biology, 2018, 16, e2005075.	5.6	149
11	Biology of Deep-Water Octocorals. Advances in Marine Biology, 2011, 60, 41-122.	1.4	138
12	Definition and detection of vulnerable marine ecosystems on the high seas: problems with the â€œmove-onâ€•rule. ICES Journal of Marine Science, 2011, 68, 254-264.	2.5	119
13	Climateâ€induced changes in the suitable habitat of coldâ€water corals and commercially important deepâ€sea fishes in the North Atlantic. Global Change Biology, 2020, 26, 2181-2202.	9.5	109
14	Midwater ecosystems must be considered when evaluating environmental risks of deep-sea mining. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17455-17460.	7.1	104
15	Deep-Sea Mining With No Net Loss of Biodiversityâ€”An Impossible Aim. Frontiers in Marine Science, 2018, 5, .	2.5	99
16	Prediction of benthic impact for salmon net-pens based on the balance of benthic oxygen supply and demand. Marine Ecology - Progress Series, 1997, 155, 147-157.	1.9	90
17	Reproduction and development of marine peracaridans. Advances in Marine Biology, 2001, 39, 105-260.	1.4	85
18	A systematic approach towards the identification and protection of vulnerable marine ecosystems. Marine Policy, 2014, 49, 146-154.	3.2	84

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19	Partners for life: a brittle star and its octocoral host. Marine Ecology - Progress Series, 2009, 397, 81-88.	1.9	81
20	Biological and granulometric controls on sedimentary organic matter of an intertidal mudflat. Estuarine, Coastal and Shelf Science, 1985, 20, 491-503.	2.1	77
21	A global seamount classification to aid the scientific design of marine protected area networks. Ocean and Coastal Management, 2011, 54, 19-36.	4.4	76
22	Analysis of structural variations in a shallow estuarine deposit-feeding community. Journal of Experimental Marine Biology and Ecology, 1975, 19, 275-313.	1.5	67
23	Identifying Ecologically or Biologically Significant Areas (EBSA): A systematic method and its application to seamounts in the South Pacific Ocean. Ocean and Coastal Management, 2014, 91, 65-79.	4.4	60
24	Impact of a scallop drag on the sediment chemistry, microbiota, and faunal assemblages of a shallow subtidal marine benthic community. Journal of Sea Research, 2001, 46, 309-324.	1.6	59
25	Seamounts on the High Seas Should Be Managed as Vulnerable Marine Ecosystems. Frontiers in Marine Science, 2017, 4, .	2.5	57
26	The Crustacean Integument. , 2013, , 167-198.		53
27	Anthropogenic impacts on the Corner Rise seamounts, north-west Atlantic Ocean. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1075-1076.	0.8	52
28	Deep-Sea Origin and In-Situ Diversification of Chrysogorgiid Octocorals. PLoS ONE, 2012, 7, e38357.	2.5	50
29	Abyssal fauna of the UK-1 polymetallic nodule exploration area, Clarion-Clipperton Zone, central Pacific Ocean: Cnidaria. Biodiversity Data Journal, 2016, 4, e9277.	0.8	46
30	Out of Sight, But Within Reach: A Global History of Bottom-Trawled Deep-Sea Fisheries From >400 m Depth. Frontiers in Marine Science, 2018, 5, .	2.5	45
31	An Alternative Phylogeny of Peracarid Crustaceans. Journal of Crustacean Biology, 1981, 1, 201-210.	0.8	44
32	The Sedimentary Milieu and its Consequences for Resident Organisms. American Zoologist, 1991, 31, 789-796.	0.7	41
33	The population structure of the brittle star Ophiura sarsi LÃ¼tken in the Gulf of Maine and its trophic relationship to American plaice (Hippoglossoides platessoides Fabricius). Journal of Experimental Marine Biology and Ecology, 1994, 179, 207-222.	1.5	37
34	REDESCRIPTION OF HYALELLA AZTECA FROM ITS TYPE LOCALITY, VERA CRUZ, MEXICO (AMPHIPODA:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	35
35	An investigation of the cumulative impacts of shrimp trawling on mud-bottom fishing grounds in the Gulf of Maine: effects on habitat and macrofaunal community structure. ICES Journal of Marine Science, 2006, 63, 1616-1630.	2.5	35
36	Chrysogorgiafrom the New England and Corner Seamounts: Atlanticâ€“Pacific connections. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 911-927.	0.8	35

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37	A habitat classification scheme for seamount landscapes: assessing the functional role of deep-water corals as fish habitat. , 2005, , 761-769.		34
38	Effects on the ecological integrity of a soft-bottom habitat from a trawling disturbance. Hydrobiologia, 2001, 456, 73-85.	2.0	33
39	Antarctica as an evolutionary incubator: evidence from the cladistic biogeography of the amphipod Family Iphimediidae. Geological Society Special Publication, 1989, 47, 297-313.	1.3	32
40	Sustainability of deep-sea fish species under the European Union Common Fisheries Policy. Ocean and Coastal Management, 2012, 70, 31-37.	4.4	32
41	Seasonal changes in feeding types of estuarine benthic invertebrates from delaware bay. Journal of Experimental Marine Biology and Ecology, 1979, 36, 125-155.	1.5	31
42	Distribution of deep-water Alcyonacea off the Northeast Coast of the United States. , 2005, , 279-296.		30
43	A classification system for crustacean setae based on the homology concept. , 2020, , 15-26.		30
44	Extended parental care in two endobenthic amphipods. Journal of Natural History, 1997, 31, 713-725.	0.5	29
45	Benthic faunal assemblages off the Delmarva Peninsula. Estuarine and Coastal Marine Science, 1976, 4, 163-177.	0.9	28
46	A new species of Hyalella from Brazil (Crustacea: Amphipoda: Hyalellidae), with redescriptions of three other species in the genus. Journal of Natural History, 2003, 37, 2045-2076.	0.5	28
47	Revision of the Cumacean Family Leuconidae. Journal of Crustacean Biology, 1991, 11, 569-582.	0.8	27
48	Molecular insights into Cumacean family relationships (Crustacea, Cumacea). Molecular Phylogenetics and Evolution, 2004, 30, 798-809.	2.7	26
49	A review of the genus Iridogorgia (Octocorallia: Chrysogorgiidae) and its relatives, chiefly from the North Atlantic Ocean. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 393-402.	0.8	26
50	Three new species of Hyalella from Chile (Crustacea: Amphipoda: Hyalellidae). Hydrobiologia, 2001, 464, 175-199.	2.0	23
51	Precious corals (Coralliidae) from north-western Atlantic Seamounts. Journal of the Marine Biological Association of the United Kingdom, 2011, 91, 369-382.	0.8	22
52	Special Section: Effects of Mobile Fishing Gear on Marine Benthos. Conservation Biology, 1998, 12, 1178-1179.	4.7	20
53	Comment: The Interface between Fisheries Research and Habitat Management. North American Journal of Fisheries Management, 1997, 17, 591-595.	1.0	19
54	Trawl fisheries, catch shares and the protection of benthic marine ecosystems: Has ownership generated incentives for seafloor stewardship?. Marine Policy, 2013, 40, 75-83.	3.2	18

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55	Cladorhiza corona sp. nov. (Porifera: Demospongiae: Cladorhizidae) from the Aleutian Islands (Alaska). Journal of the Marine Biological Association of the United Kingdom, 2005, 85, 1359-1366.	0.8	16
56	A Revision of the Stilipedidae (Amphipoda). Crustaceana, 1983, 44, 27-53.	0.3	15
57	Title is missing!. Hydrobiologia, 2003, 497, 181-204.	2.0	15
58	A new species of Hyalella from Colombia, and the redescription of H. meinerti Stebbing, 1899 from Venezuela (Crustacea: Amphipoda). Journal of Natural History, 2003, 37, 2095-2111.	0.5	15
59	Evaluation of potential sustainability of deep-sea fisheries for grenadiers (Macrouridae). Journal of Ichthyology, 2012, 52, 709-721.	0.5	15
60	THE PLACE OF THE HOPLOCARIDA IN THE MALACOSTRACAN PANTHEON. Journal of Crustacean Biology, 2000, 20, 1-11.	0.8	14
61	A New Genus and Species of Bamboo Coral (Octocorallia: Isididae: Keratoisidinae) from the New England Seamounts. Bulletin of the Peabody Museum of Natural History, 2011, 52, 209-220.	1.1	14
62	The Delaware Oyster Industry: A Reality?. Transactions of the American Fisheries Society, 1971, 100, 100-111.	1.4	13
63	A new species of Hyalella from the Patagonia, Chile, with redescription of H. simplex Schellenberg, 1943 (Crustacea: Amphipoda). Journal of Natural History, 2003, 37, 2077-2094.	0.5	13
64	Megabenthic assemblages in the lower bathyal (700â€“3000Âm) on the New England and Corner Rise Seamounts, Northwest Atlantic. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 165, 103366.	1.4	13
65	Amphipoda From The Southern Ocean: Families Colomastigidae, Dexaminidae, Leucothoidae, Liljeborgiidae, And Sebidae. Antarctic Research Series, 1983, , 215-262.	0.2	12
66	Octocoral gardens in the Gulf of Maine (NW Atlantic). Biodiversity, 2013, 14, 193-194.	1.1	12
67	Vulnerable Marine Ecosystems, Communities, and Indicator Species: Confusing Concepts for Conservation of Seamounts. Frontiers in Marine Science, 2021, 8, .	2.5	12
68	Deep-sea trawling must be banned. Nature, 2013, 501, 7-7.	27.8	12
69	Amphipoda from the northwestern Atlantic: The generaJerbarnia, Epimeria, andHarpinia. Sarsia, 1981, 66, 203-211.	0.5	11
70	Beaked whale foraging areas inferred by gouges in the seafloor. Marine Mammal Science, 2009, 26, 226-233.	1.8	11
71	Biogeographic provinces in the Atlantic deep sea determined from cumacean distribution patterns. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1747-1753.	1.4	11
72	Environmental influences on the Indoâ€“Pacific octocoralIsis hippurisLinnaeus 1758 (Alcyonacea:) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	11

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73	Predation on copepods by an Alaskan cladorhizid sponge. Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1721-1726.	0.8	10
74	Toward a revision of the bamboo corals: Part 3, deconstructing the Family Isididae. Zootaxa, 2021, 5047, 247-272.	0.5	10
75	No reef-associated gradient in the infaunal communities of Rapa Nui (Easter Island) â€“ Are oceanic waves more important than reef predators?. Estuarine, Coastal and Shelf Science, 2018, 210, 123-131.	2.1	9
76	Report of the workshop Evaluating the nature of midwater mining plumes and their potential effects on midwater ecosystems. Research Ideas and Outcomes, 0, 5, .	1.0	9
77	ï»¿Benthic megafauna of the western Clarion-Clipperton Zone, Pacific Ocean. ZooKeys, 0, 1113, 1-110.	1.1	9
78	Shallow water hydroids of the Delaware Bay region. Journal of Natural History, 1972, 6, 643-649.	0.5	8
79	Upper Bathyal Pacific Ocean biogeographic provinces from octocoral distributions. Progress in Oceanography, 2021, 191, 102509.	3.2	7
80	The use of species abundance estimates in marine benthic studies. Journal of Experimental Marine Biology and Ecology, 1978, 35, 109-118.	1.5	6
81	Characterization of deep-sea benthic invertebrate megafauna of the Galapagos Islands. Scientific Reports, 2020, 10, 13894.	3.3	6
82	Fineâ€scale mapping of deepâ€sea habitatâ€forming species densities reveals taxonomic specific environmental drivers. Global Ecology and Biogeography, 2021, 30, 1286-1298.	5.8	6
83	Towards a revision of the bamboo corals (Octocorallia): Part 4, delineating the family Keratoisididae. Zootaxa, 2022, 5093, 337-375.	0.5	6
84	Pagetina reductasp.n. (Crustacea: Amphipoda) with a review of the family Pagetinidae. Sarsia, 1981, 66, 213-215.	0.5	5
85	First description of hatchlings and eggs ofOctopus oliveri(Berry, 1914) (Cephalopoda: Octopodidae). Molluscan Research, 2014, 34, 79-83.	0.7	5
86	Trawling exerts big impacts on small beasts. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8704-8705.	7.1	5
87	Deep-sea benthic megafaunal communities on the New England and Corner Rise Seamounts, Northwest Atlantic Ocean. , 2020, , 917-932.		5
88	Global biogeography of the lower bathyal (700â€“3000Âm) as determined from the distributions of cnidarian anthozoans. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 181, 103703.	1.4	5
89	A new species of Hyalella from the Andes in PerÃº (Crustacea: Amphipoda: Hyalellidae). Revista De Biologia Tropical, 2002, 50, 649-58.	0.4	5
90	The Worldâ€™s largest known Gorgonian. Zootaxa, 2013, 3630, 198-199.	0.5	4

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91	A new genus of bamboo coral (Octocorallia: Isididae) from the Bahamas. Zootaxa, 2015, 3918, 239-49.	0.5	4
92	Bamboo corals from the abyssal Pacific:Bathygorgia. Proceedings of the Biological Society of Washington, 2015, 128, 125-136.	0.3	4
93	Toward a Revision of the Bamboo Corals: Part 2, Untangling the Genus Lepidisis (Octocorallia:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	4
94		0.3	3
95	Artificial Islands: Information needs and impact criteria. Marine Pollution Bulletin, 1975, 6, 139-142.	5.0	3
96	Holistic Pattern Analysis as an Alternative to Pattern Cladistics in Hypothesizing Crustacean Phylogenetic Sequences. Acta Zoologica, 1992, 73, 349-354.	0.8	3
97	Contumacious Beasts: A Story of Two Diastylidae (Cumacea) from Arctic Waters. Journal of Crustacean Biology, 2000, 20, 31-43.	0.8	3
98	Report on hydrozoans (Cnidaria), excluding Stylasteridae, from the Emperor Seamounts, western North Pacific Ocean . Zootaxa, 2021, 4950, 201-247.	0.5	3
99	Exploitation of deep-sea fishery resources. , 2020, , 71-90.		3
100	CONTUMACIOUS BEASTS: A STORY OF TWO DIASTYLIDAE (CUMACEA) FROM ARCTIC WATERS. Journal of Crustacean Biology, 2000, 20, 31-43.	0.8	2
101	HUMESIANA, A REMARKABLE NEW CUMACEAN GENUS FROM THE CARIBBEAN SEA. Journal of Crustacean Biology, 2001, 21, 243-248.	0.8	2
102	Four new species of Magelona (Annelida: Magelonidae) fromÂEaster Island, Guam and Hawaii. Zootaxa, 2018, 4457, 379.	0.5	2
103	Macrofauna. , 2019, , 728-734.		2
104	Environmental and Geomorphological Effects on the Distribution of Deep-Sea Canyon and Seamount Communities in the Northwest Atlantic. Frontiers in Marine Science, 2021, 8, .	2.5	2
105	Toward a revision of the bamboo corals: Part 1, species in the Muricellisidinae (Octocorallia: Isididae). Zootaxa, 2020, 4881, 361-371.	0.5	2
106	Redescription of the freshwater amphipod Hyalella faxoni from Costa Rica (Crustacea: Amphipoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	2
107	A new species of leuconid (Crustacea, Cumacea),Leucon (Crymoleucon) noerrevangi, from the Faroe Islands. Sarsia, 1999, 84, 437-444.	0.5	1
108	A New Genus and Species of Didymocheliid Amphipod from Hexactinellid Sponges (Crustacea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Natural History, 2012, 53, 309-323.	1.1	1

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109	Supplementary comment: conservation of deep-sea corals off the northeast United States. Biodiversity, 2013, 14, 195-195.	1.1	1
110	Platycuma bamberconfabulor sp. nov. (Crustacea: Cumacea: Nannastacidae) from Antarctica, with a note on the gut of Platycuma. Zootaxa, 2015, 3995, 133-7.	0.5	1
111	Collecting and processing bathynellaceans, anaspidaceans, spelaeogriphaceans, and thermosbaenaceans. Journal of Crustacean Biology, 2016, 36, 402-404.	0.8	1
112	Ecology of the Last Place on Earth. Ecology, 1986, 67, 822-823.	3.2	0
113	On the Identity of Spencebatea abyssicola (Cumacea), with Additional Observations on the Genera Allied to Procampylaspis. Journal of Crustacean Biology, 1998, 18, 205.	0.8	0
114	Frederick R. Schram: Recipient of the Crustacean Society Award for Research Excellence. Journal of Crustacean Biology, 2006, 26, 99-100.	0.8	0
115	Comments by Frederick R. Schram on Accepting the Award. Journal of Crustacean Biology, 2006, 26, 100-101.	0.8	0
116	Treatise on Zoology - Anatomy, Taxonomy, Biology. The Crustacea, Volume 1. 2004. Journal of Crustacean Biology, 2006, 26, 444-445.	0.8	0
117	Treatise on Zoology â€" Anatomy, Taxonomy, Biology. The Crustacea, Volume 2. Journal of Crustacean Biology, 2008, 28, 744-744.	0.8	0
118	Contributors to Volume IV. , 2019, , xiii-xv.		0