Simon M Cragg

List of Publications by Year
in descending order

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		394286	302012
58	1,635	19	39
papers	citations	h-index	g-index

58	58	58	2039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lignocellulose degradation mechanisms across the Tree of Life. Current Opinion in Chemical Biology, 2015, 29, 108-119.	2.8	478
2	Molecular insight into lignocellulose digestion by a marine isopod in the absence of gut microbes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5345-5350.	3.3	115
3	Structural characterization of a unique marine animal family 7 cellobiohydrolase suggests a mechanism of cellulase salt tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10189-10194.	3.3	87
4	Swimming behaviour of the larvae of Pecten maximus (L.) (Bivalvia). Journal of the Marine Biological Association of the United Kingdom, 1980, 60, 551-564.	0.4	70
5	Diversity, environmental requirements, and biogeography of bivalve wood-borers (Teredinidae) in European coastal waters. Frontiers in Zoology, 2014, 11, 13.	0.9	52
6	Vascular Plants Are Globally Significant Contributors to Marine Carbon Fluxes and Sinks. Annual Review of Marine Science, 2020, 12, 469-497.	5.1	50
7	Investigating the taxonomy and systematics of marine wood borers (Bivalvia : Teredinidae) combining evidence from morphology, DNA barcodes and nuclear locus sequences. Invertebrate Systematics, 2012, 26, 572.	0.5	46
8	The ultrastructure of the statocysts in the pediveliger larvae of Pecten maximus (L.) (Bivalvia). Journal of Experimental Marine Biology and Ecology, 1977, 27, 23-36.	0.7	42
9	Uncovering the molecular mechanisms of lignocellulose digestion in shipworms. Biotechnology for Biofuels, 2018, 11, 59.	6.2	42
10	Developments in the understanding of the biology of marine wood boring crustaceans and in methods of controlling them. International Biodeterioration and Biodegradation, 1999, 43, 197-205.	1.9	40
11	Laboratory screening of tropical hardwoods for natural resistance to the marine borer Limnoria quadripunctata: The role of leachable and non-leachable factors. Holzforschung, 2008, 62, 99-111.	0.9	34
12	The potential of electrospun poly(methyl methacrylate)/polycaprolactone coreâ€“sheath fibers for drug delivery applications. Journal of Materials Science, 2019, 54, 5712-5725.	1.7	33
13	Mangrove ecological services at the forefront of coastal change in the French overseas territories. Science of the Total Environment, 2021, 763, 143004.	3.9	31
14	A new method for removing microflora from macroalgal surfaces: an important step for natural product discovery. Botanica Marina, 2011, 54, 457-469.	0.6	30
15	Hemocyanin facilitates lignocellulose digestion by wood-boring marine crustaceans. Nature Communications, 2018, 9, 5125.	5.8	29
16	The life history characteristics of the wood-boring bivalve Teredo bartschi are suited to the elevated salinity, oligotrophic circulation in the Gulf of Aqaba, Red Sea. Journal of Experimental Marine Biology and Ecology, 2009, 375, 99-105.	0.7	28
17	Chapter 2 Development, physiology, behaviour and ecology of scallop larvae. Developments in Aquaculture and Fisheries Science, 2006, 35, 45-122.	1.3	27
18	Introduction, dispersal and naturalization of the Manila clam Ruditapes philippinarum in British estuaries, 1980â€“2010. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1163-1172.	0.4	22

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19	Resistance of modified wood to marine borers. International Biodeterioration and Biodegradation, 2015, 104, 8-14.	1.9	22
20	The resistance of wood modified with linear chain carboxylic acid anhydrides to attack by the marine wood borer Limnoria quadripunctata Holthius. International Biodeterioration and Biodegradation, 2008, 61, 199-202.	1.9	20
21	Biogeography of Wood-Boring Crustaceans (Isopoda: Limnoriidae) Established in European Coastal Waters. PLoS ONE, 2014, 9, e109593.	1.1	19
22	Zachsia zenkewitschi (Teredinidae), a Rare and Unusual Seagrass Boring Bivalve Revisited and Redescribed. PLoS ONE, 2016, 11, e0155269.	1.1	19
23	Durability and protection of timber structures in marine environments in Europe: An overview. BioResources, 2019, 14, 10161-10184.	0.5	19
24	THE CILIATED RIM OF THE VELUM OF LARVAE OF PECTEN MAXIMUS (BIVALVIA: PECTINIDAE). Journal of Molluscan Studies, 1989, 55, 497-508.	0.4	17
25	Limnoria lignorum ingest bacterial and fungal degraded wood. European Journal of Wood and Wood Products, 1991, 49, 488-490.	1.3	16
26	Developmental dynamics of myogenesis in the shipworm Lyrodus pedicellatus (Mollusca: Bivalvia). Frontiers in Zoology, 2014, 11, 90.	0.9	15
27	Dartfish use teredinid tunnels in fallen mangrove wood as a low-tide refuge. Marine Ecology - Progress Series, 2013, 486, 237-245.	0.9	15
28	Contribution of hardness to the natural resistance of a range of wood species to attack by the marine borer Limnoria. Holzforschung, 2007, 61, 201-206.	0.9	14
29	A laboratory assay for measuring feeding and mortality of the marine wood borer Limnoria under forced feeding conditions: A basis for a standard test method. International Biodeterioration and Biodegradation, 2009, 63, 289-296.	1.9	14
30	Invertebrate biodeterioration of marine timbers above mean sea level along the coastlines of England and Wales. International Biodeterioration and Biodegradation, 2001, 47, 175-181.	1.9	13
31	Assessment of Effects of Chromated Copper Arsenate (CCA)?Treated Timber on Nontarget Epibiota by Investigation of Fouling Community Development at Seven European Sites. Archives of Environmental Contamination and Toxicology, 2003, 45, 37-47.	2.1	13
32	Marine Wood Boring Arthropods: Ecology, Functional Anatomy, and Control Measures. ACS Symposium Series, 2003, , 272-286.	0.5	13
33	Effects of the epibiotic heterotrich ciliate Mirofolliculina limnoriae and of moulting on faecal pellet production by the wood-boring isopods, Limnoria tripunctata and Limnoria quadripunctata. Journal of Experimental Marine Biology and Ecology, 2006, 334, 165-173.	0.7	12
34	The broadcast spawning Caribbean shipworm, Teredothyra dominicensis (Bivalvia, Teredinidae), has invaded and become established in the eastern Mediterranean Sea. Biological Invasions, 2014, 16, 2037-2048.	1.2	12
35	Biology and Ecology of Scallop Larvae. Developments in Aquaculture and Fisheries Science, 2016, , 31-83.	1.3	11
36	Application of a micro-respirometric volumetric method to respiratory measurements of larvae of the Pacific oysterCrassostrea gigas. Aquatic Living Resources, 2004, 17, 195-200.	0.5	10

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37	A laboratory assessment of the natural durability of the lesser-utilised species Corynanthe pachyceras Welw. and Glyphaea brevis (Sprengel) Monachino against the marine wood borer Limnoria quadripunctata Holthius. International Biodeterioration and Biodegradation, 2006, 57, 71-74.	1.9	10
38	The complete mitochondrial genome ofLimnoria quadripunctataHolthuis (Isopoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	0.6	10
39	Nanoparticles of alkylglyceryl dextran and poly(ethyl cyanoacrylate) for applications in drug delivery: Preparation and characterization. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 265-279.	1.8	9
40	Evaluation of wooden materials deteriorated by marine-wood boring organisms in the Black Sea. Maderas: Ciencia Y Tecnologia, 2012, 14, 79-90.	0.7	8
41	Characterisation of the enzyme transport path between shipworms and their bacterial symbionts. BMC Biology, 2021, 19, 233.	1.7	8
42	Furfurylation protects timber from degradation by marine wood boring crustaceans. Green Chemistry, 2021, 23, 8003-8015.	4.6	7
43	Mapping the biotic degradation hazard of wood in EuropeÂâ€“ biophysical background, engineering applications, and climate change-induced prospects. Holzforschung, 2022, 76, 188-210.	0.9	7
44	Some corallanid isopods associated with wood from Papua New Guinea, including three new species (Isopoda: Corallanidae). Journal of Natural History, 1983, 17, 837-847.	0.2	6
45	Effects of CCA (copperâ€chromeâ€arsenic) preservative treatment of wood on the settlement and recruitment of barnacles and tube building polychaete worms. Biofouling, 2000, 15, 151-164.	0.8	6
46	First records of the warm water shipworm Teredo bartschi Clapp, 1923 (Bivalvia, Teredinidae) in Mersin, southern Turkey and in OlhÃ£o, Portugal. BioInvasions Records, 2014, 3, 25-28.	0.4	6
47	Copper Accumulation in the Digestive Caecae of Limnoria quadripunctata Holthius (Isopoda:) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	5
48	A Questionnaire Survey to Establish the Perceptions of Uk Specifiers Concerning the Key Material Attributes of Timber for Use in Marine and Fresh Water Engineering. Journal of the Institute of Wood Science, 2005, 17, 41-50.	0.0	5
49	Biomimetic generation of the strongest known biomaterial found in limpet tooth. Nature Communications, 2022, 13, .	5.8	5
50	Rhizophora stylosa prop roots even when damaged prevent wood-boring teredinids from toppling the trees. Hydrobiologia, 2017, 803, 333-344.	1.0	4
51	Two new species of Limnoriidae (Isopoda) from Papua New Guinea. Journal of Natural History, 1988, 22, 1507-1516.	0.2	2
52	Establishment and Succession of an Epibiotic Community on Chromated Copper Arsenate-Treated Wood in Mediterranean Waters. Archives of Environmental Contamination and Toxicology, 2010, 58, 71-78.	2.1	2
53	DIVERSet JAG Compounds Inhibit Topoisomerase II and Are Effective Against Adult and Pediatric High-Grade Gliomas. Translational Oncology, 2019, 12, 1375-1385.	1.7	2
54	Uca cryptica Naderloo, TÃ¼rkay & Chen, 2010 (Crustacea: Brachyura: Ocypodidae) is no longer cryptic. Zootaxa, 2015, 3981, 291-5.	0.2	1

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55	Evaluating less-used timber species for marine construction. Proceedings of Institution of Civil Engineers: Construction Materials, 2018, 171, 134-148.	0.7	1
56	Hydrological features above a Southern Ocean seamount inhibit larval dispersal and promote speciation: evidence from the bathyal mytilid Dacrydium alleni sp. nov. (Mytilidae: Bivalvia). Polar Biology, 2018, 41, 1493-1504.	0.5	1
57	Laboratory screening of thermo-mechanically densified and thermally modified timbers for resistance to the marine borer Limnoria quadripunctata. European Journal of Wood and Wood Products, 2018, 76, 393-396.	1.3	0
58	Distinguishing ten sympatric species of fiddler crab (Decapoda: Ocypodidae) using a suite of phenotypic characteristics. Zootaxa, 2021, 5026, 480-506.	0.2	0