

Claire Hellio

List of Publications by Year in descending order

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55
papers

2,085
citations

218381

26
h-index

243296

44
g-index

55
all docs

55
docs citations

55
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of marine bacteria by extracts of macroalgae: potential use for environmentally friendly antifouling paints. <i>Marine Environmental Research</i> , 2001, 52, 231-247.	1.1	179
2	Challenges for the Development of New Non-Toxic Antifouling Solutions. <i>International Journal of Molecular Sciences</i> , 2009, 10, 4623-4637.	1.8	135
3	Seasonal Variation of Antifouling Activities of Marine Algae from the Brittany Coast (France). <i>Marine Biotechnology</i> , 2004, 6, 67-82.	1.1	132
4	Inhibition of the development of microorganisms (bacteria and fungi) by extracts of marine algae from Brittany, France. <i>Applied Microbiology and Biotechnology</i> , 2000, 54, 543-549.	1.7	119
5	Seasonal variation in antifouling activity of crude extracts of the brown alga <i>Bifurcaria bifurcata</i> (Cystoseiraceae) against cyprids of <i>Balanus amphitrite</i> and the marine bacteria <i>Cobetia marina</i> and <i>Pseudoalteromonas haloplanktis</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2004, 313, 47-62.	0.7	113
6	Screening of Marine Algal Extracts for Anti-settlement Activities against Microalgae and Macroalgae. <i>Biofouling</i> , 2002, 18, 205-215.	0.8	87
7	Antifouling Compounds from the Sub-Arctic Ascidian <i>Synoicum pulmonaria</i> : Synoxazolidinones A and C, Pulmonarins A and B, and Synthetic Analogues. <i>Journal of Natural Products</i> , 2014, 77, 2105-2113.	1.5	77
8	Phenoloxidase (E.C. 1.14.18.1) from the byssus gland of <i>Mytilus edulis</i> : Purification, partial characterization and application for screening products with potential antifouling activities. <i>Biofouling</i> , 2000, 16, 235-244.	0.8	70
9	Anti-microfouling Activity of Lipidic Metabolites from the Invasive Brown Alga <i>Sargassum muticum</i> (Yendo) Fensholt. <i>Marine Biotechnology</i> , 2010, 12, 52-61.	1.1	70
10	Bioinspired synthetic macroalgae: Examples from nature for antifouling applications. <i>International Biodeterioration and Biodegradation</i> , 2014, 86, 6-13.	1.9	70
11	Antifouling Activity of Meroditerpenoids from the Marine Brown Alga <i>Halidrys siliquosa</i> . <i>Journal of Natural Products</i> , 2008, 71, 1121-1126.	1.5	57
12	Marine bacterial inhibitors from the sponge-derived fungus <i>Aspergillus</i> sp.. <i>Tetrahedron Letters</i> , 2014, 55, 2789-2792.	0.7	55
13	Marine antifoulants from <i>bifurcaria bifurcata</i> (phaeophyceae, cystoseiraceae) and other brown macroalgae. <i>Biofouling</i> , 2001, 17, 189-201.	0.8	47
14	Investigation of <i>Chondrus crispus</i> as a potential source of new antifouling agents. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 939-946.	1.9	45
15	Antifouling activity against barnacle cypris larvae: Do target species matter (<i>Amphibalanus amphitrite</i>) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	44
16	Antifouling activity as a function of population variation in <i>Sargassum vulgare</i> from the littoral of Rio de Janeiro (Brazil). <i>Journal of Applied Phycology</i> , 2010, 22, 717-724.	1.5	42
17	The Bromotyrosine Derivative lanthelline Isolated from the Arctic Marine Sponge <i>Stryphnus fortis</i> Inhibits Marine Micro- and Macrobiofouling. <i>Marine Biotechnology</i> , 2014, 16, 684-694.	1.1	41
18	Bioassays and field immersion tests: a comparison of the antifouling activity of copper-free poly(methacrylic)-based coatings containing tertiary amines and ammonium salt groups. <i>Biofouling</i> , 2010, 26, 769-777.	0.8	36

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19	Antifouling activity of novel polyisoprene-based coatings made from photocurable natural rubber derived oligomers. <i>Progress in Organic Coatings</i> , 2013, 76, 1203-1214.	1.9	36
20	Probing the Structure–Activity Relationship of the Natural Antifouling Agent Polygodial against both Micro- and Macrofoulers by Semisynthetic Modification. <i>Journal of Natural Products</i> , 2017, 80, 515-525.	1.5	33
21	Evaluation of cationic micropeptides derived from the innate immune system as inhibitors of marine biofouling. <i>Biofouling</i> , 2015, 31, 393-403.	0.8	30
22	Antifouling Bastadin Congeners Target Mussel Phenoloxidase and Complex Copper(II) Ions. <i>Marine Biotechnology</i> , 2011, 13, 1148-1158.	1.1	29
23	The oceans are changing: impact of ocean warming and acidification on biofouling communities. <i>Biofouling</i> , 2019, 35, 585-595.	0.8	28
24	The Sponge-Associated Fungus <i>Eurotium chevalieri</i> MUT 2316 and its Bioactive Molecules: Potential Applications in the Field of Antifouling. <i>Marine Biotechnology</i> , 2019, 21, 743-752.	1.1	28
25	New Antimalarial and Antimicrobial Tryptamine Derivatives from the Marine Sponge <i>Fascaplysinopsis reticulata</i> . <i>Marine Drugs</i> , 2019, 17, 167.	2.2	28
26	Phidianidine A and Synthetic Analogues as Naturally Inspired Marine Antifoulants. <i>Journal of Natural Products</i> , 2020, 83, 3413-3423.	1.5	28
27	<i>Sargassum polyceratum</i> (Phaeophyceae, Fucaceae) surface molecule activity towards fouling organisms and embryonic development of benthic species. <i>Botanica Marina</i> , 2011, 54, .	0.6	27
28	Cystophloroketals A–E, Unusual Phloroglucinol–Meroterpenoid Hybrids from the Brown Alga <i>Cystoseira tamariscifolia</i> . <i>Journal of Natural Products</i> , 2015, 78, 1663-1670.	1.5	27
29	In Silico Analysis of Pacific Oyster (<i>Crassostrea gigas</i>) Transcriptome over Developmental Stages Reveals Candidate Genes for Larval Settlement. <i>International Journal of Molecular Sciences</i> , 2019, 20, 197.	1.8	27
30	From Ecology to Biotechnology, Study of the Defense Strategies of Algae and Halophytes (from Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 International Journal of Molecular Sciences, 2019, 20, 881.	1.8	24
31	Antifouling activity of symbiotic bacteria from sponge <i>Aplysina Ågerardogreeni</i> . <i>International Biodeterioration and Biodegradation</i> , 2014, 90, 64-70.	1.9	22
32	Quorum Sensing Inhibitory and Antifouling Activities of New Bromotyrosine Metabolites from the Polynesian Sponge <i>Pseudoceratina n. sp.</i> . <i>Marine Drugs</i> , 2020, 18, 272.	2.2	21
33	Biomimetic Approaches for the Development of New Antifouling Solutions: Study of Incorporation of Macroalgae and Sponge Extracts for the Development of New Environmentally-Friendly Coatings. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4863.	1.8	20
34	Anti-Biofilm Effect of Biodegradable Coatings Based on Hemibastadin Derivative in Marine Environment. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1520.	1.8	19
35	Electrophoretic deposition of zinc alginate coatings on stainless steel for marine antifouling applications. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104246.	3.3	19
36	Design and Biological Evaluation of Antifouling Dihydrostilbene Oxime Hybrids. <i>Marine Biotechnology</i> , 2018, 20, 257-267.	1.1	18

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37	Species-Specific Antioxidant Power and Bioactive Properties of the Extracts Obtained from Wild Mediterranean <i>Calendula</i> Spp. (Asteraceae). <i>Applied Sciences</i> (Switzerland), 2019, 9, 4627.	1.3	18
38	Exploring Antifouling Activity of Biosurfactants Producing Marine Bacteria Isolated from Gulf of California. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6068.	1.8	18
39	Glycoglycerolipids From <i>Sargassum vulgare</i> as Potential Antifouling Agents. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	16
40	A new method for evaluation of antifouling activity of molecules against microalgal biofilms using confocal laser scanning microscopy-microfluidic flow-cells. <i>International Biodeterioration and Biodegradation</i> , 2019, 139, 54-61.	1.9	14
41	Laboratory bioassays for screening marine antifouling compounds. , 2009, , 275-307.		13
42	SAR of Sponge-Inspired Hemibastadin Congeners Inhibiting Blue Mussel PhenolOxidase. <i>Marine Drugs</i> , 2015, 13, 3061-3071.	2.2	13
43	Proteinaceous secretion of bioadhesive produced during crawling and settlement of <i>Crassostrea gigas</i> larvae. <i>Scientific Reports</i> , 2018, 8, 15298.	1.6	13
44	Algae as marine fouling organisms: adhesion damage and prevention. , 2009, , 80-112.		12
45	Bioactive Bromotyrosine Derivatives from the Pacific Marine Sponge <i>Suberea clavata</i> (Pulitzer-Finali), Tj ETQq1 1 0.784314 rgBT /Over	2.2	12
46	Antifouling Activity of Meroterpenes Isolated from the Ascidian <i>Aplidium</i> aff. <i>densum</i> . <i>Marine Biotechnology</i> , 2021, 23, 51-61.	1.1	11
47	Sponge-Inspired Dibromohemibastadin Prevents and Disrupts Bacterial Biofilms without Toxicity. <i>Marine Drugs</i> , 2017, 15, 222.	2.2	10
48	Development of alginate hydrogels active against adhesion of microalgae. <i>Materials Letters</i> , 2019, 239, 180-183.	1.3	9
49	Culture Conditions Affect Antioxidant Production, Metabolism and Related Biomarkers of the Microalgae <i>Phaeodactylum tricornutum</i> . <i>Antioxidants</i> , 2022, 11, 411.	2.2	9
50	Protocol for Assessing Antifouling Activities of Macroalgal Extracts. <i>Methods in Molecular Biology</i> , 2015, 1308, 421-435.	0.4	8
51	Using Virtual AChE Homology Screening to Identify Small Molecules With the Ability to Inhibit Marine Biofouling. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	6
52	Reduction of potential ennoblement of stainless steel in natural seawater by an ecofriendly biopolymer. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103609.	3.3	5
53	Antioxidant Bioactivity of Extracts from Beach Cast Leaves of <i>Posidonia oceanica</i> (L.) Delile. <i>Marine Drugs</i> , 2021, 19, 560.	2.2	5
54	Marine bacteria from the Gulf of California with antimicrofouling activity against colonizing bacteria and microalgae. <i>Revista De Biologia Tropical</i> , 2018, 66, .	0.1	5

#	ARTICLE	IF	CITATIONS
55	Antifouling Activity of Halogenated Compounds Derived from the Red Alga <i>Sphaerococcus coronopifolius</i> : Potential for the Development of Environmentally Friendly Solutions. <i>Marine Drugs</i> , 2022, 20, 32.	2.2	5