

Thierry Chopin

List of Publications by Year in descending order

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76
papers

5,293
citations

136950

32
h-index

114465

63
g-index

79
all docs

79
docs citations

79
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated aquaculture: rationale, evolution and state of the art emphasizing seaweed biofiltration in modern mariculture. <i>Aquaculture</i> , 2004, 231, 361-391.	3.5	773
2	INTEGRATING SEAWEEDS INTO MARINE AQUACULTURE SYSTEMS: A KEY TOWARD SUSTAINABILITY. <i>Journal of Phycology</i> , 2001, 37, 975-986.	2.3	583
3	Ecological engineering in aquaculture – Potential for integrated multi-trophic aquaculture (IMTA) in marine offshore systems. <i>Aquaculture</i> , 2009, 297, 1-9.	3.5	457
4	Integrated mariculture: asking the right questions. <i>Aquaculture</i> , 2003, 226, 69-90.	3.5	352
5	Open-water integrated multi-trophic aquaculture: environmental biomitigation and economic diversification of fed aquaculture by extractive aquaculture. <i>Reviews in Aquaculture</i> , 2012, 4, 209-220.	9.0	192
6	Tracking the algal origin of the <i>Ulva</i> bloom in the Yellow Sea by a combination of molecular, morphological and physiological analyses. <i>Marine Environmental Research</i> , 2010, 69, 207-215.	2.5	151
7	Understanding the recurrent large-scale green tide in the Yellow Sea: Temporal and spatial correlations between multiple geographical, aquacultural and biological factors. <i>Marine Environmental Research</i> , 2013, 83, 38-47.	2.5	132
8	A review of the biophysical properties of salmonid faeces: implications for aquaculture waste dispersal models and integrated multi-trophic aquaculture. <i>Aquaculture Research</i> , 2009, 40, 257-273.	1.8	128
9	Title is missing!. <i>Journal of Applied Phycology</i> , 1999, 11, 463-472.	2.8	127
10	State of the Art and Challenges for Offshore Integrated Multi-Trophic Aquaculture (IMTA). <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	121
11	INTEGRATED MULTI-TROPIC AQUACULTURE (IMTA): A POTENTIAL STRATEGIC CHOICE FOR FARMERS. <i>Aquaculture, Economics and Management</i> , 2007, 11, 99-110.	4.2	118
12	Responsible Aquaculture in 2050: Valuing Local Conditions and Human Innovations Will Be Key to Success. <i>BioScience</i> , 2013, 63, 255-262.	4.9	116
13	Importance of Seaweeds and Extractive Species in Global Aquaculture Production. <i>Reviews in Fisheries Science and Aquaculture</i> , 2021, 29, 139-148.	9.1	102
14	Social aspects of the sustainability of integrated multi-trophic aquaculture. <i>Aquaculture International</i> , 2010, 18, 201-211.	2.2	93
15	Phycocolloid chemistry as a taxonomic indicator of phylogeny in the Cigartinales, Rhodophyceae: A review and current developments using Fourier transform infrared diffuse reflectance spectroscopy. <i>Phycological Research</i> , 1999, 47, 167-188.	1.6	90
16	A new and rapid method for carrageenan identification by FT IR diffuse reflectance spectroscopy directly on dried, ground algal material. <i>Carbohydrate Research</i> , 1993, 246, 51-59.	2.3	87
17	Ocean acidification and marine aquaculture in North America: potential impacts and mitigation strategies. <i>Reviews in Aquaculture</i> , 2017, 9, 326-341.	9.0	87
18	Multitrophic Integration for Sustainable Marine Aquaculture. , 2008, , 2463-2475.		84

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19	The Need for a Balanced Ecosystem Approach to Blue Revolution Aquaculture. <i>Environment</i> , 2007, 49, 36-43.	1.4	83
20	LIFE HISTORY PHASES AND THE BIOMECHANICAL PROPERTIES OF THE RED ALGA CHONDRUS CRISPUS (RHODOPHYTA). <i>Journal of Phycology</i> , 2001, 37, 699-704.	2.3	65
21	Weight ratios of the kelps, <i>Alaria esculenta</i> and <i>Saccharina latissima</i> , required to sequester dissolved inorganic nutrients and supply oxygen for Atlantic salmon, <i>Salmo salar</i> , in Integrated Multi-Trophic Aquaculture systems. <i>Aquaculture</i> , 2013, 408-409, 34-46.	3.5	65
22	Climate change and aquaculture: considering biological response and resources. <i>Aquaculture Environment Interactions</i> , 2019, 11, 569-602.	1.8	65
23	Studies on carrageenans and effects of seawater phosphorus concentration on carrageenan content and growth of <i>Agardhiella subulata</i> (C. Agardh) Kraft and Wynne (Rhodophyceae, Solieriaceae). <i>Journal of Applied Phycology</i> , 1990, 2, 3-16.	2.8	64
24	Effect of prepared and macroalgal diets and seed stock source on somatic growth of juvenile green sea urchins (<i>Strongylocentrotus droebachiensis</i>). <i>Aquaculture</i> , 2005, 244, 263-281.	3.5	63
25	The economics of Integrated Multi-Trophic Aquaculture: where are we now and where do we need to go?. <i>Reviews in Aquaculture</i> , 2020, 12, 1579-1594.	9.0	61
26	PHOSPHORUS AND NITROGEN NUTRITION IN CHONDRUS CRISPUS (RHODOPHYTA): EFFECTS ON TOTAL PHOSPHORUS AND NITROGEN CONTENT, CARRAGEENAN PRODUCTION, AND PHOTOSYNTHETIC PIGMENTS AND METABOLISM1. <i>Journal of Phycology</i> , 1995, 31, 283-293.	2.3	59
27	Climate change and aquaculture: considering adaptation potential. <i>Aquaculture Environment Interactions</i> , 2019, 11, 603-624.	1.8	58
28	Effects of germanium dioxide, an inhibitor of diatom growth, on the microscopic laboratory cultivation stage of the kelp, <i>Laminaria saccharina</i> . <i>Journal of Applied Phycology</i> , 2007, 19, 27-32.	2.8	50
29	The dominant <i>Ulva</i> strain of the 2008 green algal bloom in the Yellow Sea was not detected in the coastal waters of Qingdao in the following winter. <i>Journal of Applied Phycology</i> , 2010, 22, 531-540.	2.8	50
30	Evaluation of the bioremediatory potential of several species of the red alga <i>Porphyra</i> using short-term measurements of nitrogen uptake as a rapid bioassay. <i>Journal of Applied Phycology</i> , 2004, 16, 489-497.	2.8	40
31	Marine Aquaculture in Canada: Well-Established Monocultures of Finfish and Shellfish and an Emerging Integrated Multi-Trophic Aquaculture (IMTA) Approach Including Seaweeds, Other Invertebrates, and Microbial Communities. <i>Fisheries</i> , 2015, 40, 28-31.	0.8	40
32	A molecular investigation of polymorphism in the North Atlantic red alga <i>Chondrus crispus</i> (Gigartinales). <i>Phycological Research</i> , 1996, 44, 69-80.	1.6	37
33	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 25-35.	2.8	33
34	Offshore and Multi-Use Aquaculture with Extractive Species: Seaweeds and Bivalves. , 2017, , 23-69.		33
35	Farming the Ocean – Seaweeds as a Quick Fix for the Climate?. <i>Reviews in Fisheries Science and Aquaculture</i> , 2023, 31, 285-295.	9.1	31
36	Seasonal variations of growth in the red alga <i>Chondrus crispus</i> on the Atlantic French coasts. II. Relations with phosphorus concentration in seawater and internal phosphorylated fractions. <i>Canadian Journal of Botany</i> , 1990, 68, 512-517.	1.1	29

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37	Mariculture Waste Management. , 2008, , 2211-2217.		28
38	Open-water aquaculture of the red alga <i>Chondrus crispus</i> in Prince Edward Island, Canada. <i>Hydrobiologia</i> , 1999, 398/399, 417-425.	2.0	27
39	Public attitudes towards marine aquaculture in Canada: insights from the Pacific and Atlantic coasts. <i>Aquaculture International</i> , 2019, 27, 9-32.	2.2	27
40	Aquatic polyculture and balanced ecosystem management: new paradigms for seafood production.. , 2002, , 91-104.		27
41	Estimating the biomitigation benefits of Integrated Multi-Trophic Aquaculture: A contingent behavior analysis. <i>Aquaculture</i> , 2015, 437, 182-194.	3.5	26
42	Eco-physiological and biochemical study of two of the most contrasting forms of <i>Chondrus crispus</i> (Rhodophyta, Gigartinales). <i>Marine Ecology - Progress Series</i> , 1992, 81, 185-195.	1.9	26
43	Amplified Fragment Length Polymorphism (AFLP) as a source of genetic markers for red algae. <i>Journal of Applied Phycology</i> , 1998, 10, 365-370.	2.8	25
44	Factorial Study of the Effects of Phosphorus and Nitrogen Enrichments on Nutrient and Carrageenan Content in <i>Chondrus crispus</i> (Rhodophyceae) and on Residual Nutrient Concentration in Seawater. <i>Botanica Marina</i> , 1999, 42, .	1.2	25
45	Carrageenans from <i>Kallymenia westii</i> (Rhodophyceae) with a Review of the Phycocolloids Produced by the Cryptonemiales. <i>Botanica Marina</i> , 1994, 37, .	1.2	21
46	Seaweeds and their Mariculture. , 2009, , 317-326.		19
47	Aquaculture, Integrated Multi-trophic (IMTA). , 2013, , 184-205.		19
48	The Canadian Integrated Multi-Trophic Aquaculture Network (CIMTAN)â€”A Network for a New Era of Ecosystem Responsible Aquaculture. <i>Fisheries</i> , 2013, 38, 297-308.	0.8	19
49	Seasonal Dynamics of Phosphorus and Nitrogen Contents in the Brown Alga <i>Ascophyllum nodosum</i> (L.) Le Jolis, and Its Associated Species <i>Polysiphonia lanosa</i> (L.) Tandy and <i>Pilayella littoralis</i> (L.) Kjellman, from the Bay of Fundy, Canada. <i>Botanica Marina</i> , 1996, 39, .	1.2	18
50	Dietary Proportion of Fish Culture Solids Required by Shellfish to Reduce the Net Organic Load in Open-Water Integrated Multi-Trophic Aquaculture: A Scoping Exercise with Cocultured Atlantic Salmon (<i>Salmo salar</i>) and Blue Mussel (<i>Mytilus edulis</i>). <i>Journal of Shellfish Research</i> , 2013, 32, 509-517.	0.9	18
51	Reproductive Capacity of Dragraked and Non-Dragraked Irish Moss (<i>Chondrus crispus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Sciences, 1988, 45, 758-766.	1.4	17
52	Effects of Seawater Phosphorus Concentration on Floridean Starch Content in <i>Agardhiella subulata</i> (C. Agardh) Kraft et Wynne (Rhodophyceae). <i>Botanica Marina</i> , 1991, 34, .	1.2	17
53	Polyphosphates in the red macroalga <i>Chondrus crispus</i> (Rhodophyceae). <i>New Phytologist</i> , 1997, 135, 587-594.	7.3	17
54	A discounted cash-flow analysis of salmon monoculture and Integrated Multi-Trophic Aquaculture in eastern Canada. <i>Aquaculture, Economics and Management</i> , 2020, 24, 43-63.	4.2	17

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55	Aquaculture Aquaculture , Integrated Multi-trophic (IMTA) aquaculture integrated multi-trophic (IMTA). , 2012, , 542-564.		15
56	An assessment of two taxonomic distinctness indices for detecting seaweed assemblage responses to environmental stress. <i>Botanica Marina</i> , 2005, 48, .	1.2	13
57	A contingent valuation of the biomitigation benefits of integrated multi-trophic aquaculture in Canada. <i>Aquaculture, Economics and Management</i> , 2016, 20, 1-23.	4.2	13
58	An extract of the marine alga <i>Alaria esculenta</i> modulates β -synuclein folding and amyloid formation. <i>Neuroscience Letters</i> , 2017, 644, 87-93.	2.1	13
59	Using macroalgal bioindicators to map nutrient plumes from fish farms and other sources at a bay-wide scale. <i>Aquaculture Environment Interactions</i> , 2019, 11, 671-684.	1.8	13
60	Understanding the interaction of extractive and fed aquaculture using ecosystem modelling.. , 2002, , 263-296.		12
61	Beyond the Monospecific Approach to Animal Aquacultureâ€”The Light of Integrated Multi-Trophic Aquaculture. , 2007, , 447-458.		10
62	Seasonal study of carrageenan structures from female gametophytes of <i>Chondrus crispus</i> Stackhouse (Rhodophyta). <i>Hydrobiologia</i> , 1987, 151-152, 535-539.	2.0	9
63	Historical versus contemporary measures of seaweed biodiversity in the Bay of Fundy. <i>Botany</i> , 2009, 87, 1066-1076.	1.0	9
64	Does Method of Kelp (<i>Saccharina latissima</i>) Storage Affect Its Food Value for Promoting Somatic Growth of Juvenile Green Sea Urchins (<i>Strongylocentrotus droebachiensis</i>)?. <i>Journal of Shellfish Research</i> , 2010, 29, 247-252.	0.9	9
65	Title is missing!. <i>Journal of Applied Phycology</i> , 2000, 12, 99-99.	2.8	8
66	A Fishy Story Promoting a False Dichotomy to Policy-Makers: It Is Not Freshwater vs. Marine Aquaculture. <i>Reviews in Fisheries Science and Aquaculture</i> , 2022, 30, 429-446.	9.1	8
67	Impact of Harvesting on Frond Density and Biomass of Irish Moss (<i>Chondrus crispus</i> Stackhouse) Beds in the Southern Gulf of St. Lawrence. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1992, 49, 349-357.	1.4	7
68	The 21st International Seaweed Symposium: seaweed science for sustainable prosperity. <i>Journal of Applied Phycology</i> , 2014, 26, 695-698.	2.8	7
69	Open-water aquaculture of the red alga <i>Chondrus crispus</i> in Prince Edward Island, Canada. , 1999, , 417-425.		6
70	Polyphosphate and siliceous granules in the macroscopic gametophytes of the red alga <i>Porphyra purpurea</i> (Bangiophyceae, Rhodophyta). <i>Botanica Marina</i> , 2004, 47, .	1.2	5
71	Seaweeds and their Mariculture. , 2009, , 493-502.		3
72	The 22nd International Seaweed Symposium: Academia meets industry. <i>Journal of Applied Phycology</i> , 2017, 29, 2155-2158.	2.8	2

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73	POLYPHOSPHATE AND SILICEOUS GRANULES IN THE GAMETOPHYTES OF THE RED ALGA PORPHYRA PURPUREA (BANGIOPHYCEAE). <i>Journal of Phycology</i> , 2000, 36, 13-13.	2.3	0
74	144 Use of Fourier Transform Infrared (FT IR) Diffuse Reflectance Spectroscopy and Hamming Distances to Study the Phycocolloid Chemosystematics of the Red Algae (Rhodophyta). <i>Journal of Phycology</i> , 2003, 39, 50-50.	2.3	0
75	87 Algal bioremediation of eutrophic effluents in small scale integrated aquaculture systems. <i>Journal of Phycology</i> , 2003, 39, 30-30.	2.3	0
76	Models for Analysis and Practical Realities of Marine Aquaculture Siting. <i>The International Library of Environmental, Agricultural and Food Ethics</i> , 2008, , 271-277.	0.1	0