Michael Armin Borowitzka

List of Publications by Year
in descending order

126	10,723	43973 48	35952 97
papers	citations	h-index	g-index

142	142	142	8229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carotenoid production of Botryococcus braunii CCAP 807/2 under different growth conditions. Journal of Applied Phycology, 2022, 34, 1177-1188.	1.5	4
2	Methods in phycology: using the best methods. Journal of Applied Phycology, 2020, 32, 2697-2697.	1.5	1
3	Screening, acclimation and ammonia tolerance of microalgae grown in food waste digestate. Journal of Applied Phycology, 2020, 32, 3775-3785.	1.5	44
4	Foreword by Michael A. Borowitzka. , 2020, , xxvii-xxx.		1
5	Concise reviews of seaweeds of current and future commercial interest. Journal of Applied Phycology, 2020, 32, 1-2.	1.5	9
6	Temperature and salinity effects on growth and fatty acid composition of a halophilic diatom, Amphora sp. MUR258 (Bacillariophyceae). Journal of Applied Phycology, 2020, 32, 977-987.	1.5	18
7	In-pond strain selection of euryhaline Tetraselmis sp. strains for reliable long-term outdoor culture as potential sources of biofuel and other products. Journal of Applied Phycology, 2019, 31, 3359-3370.	1.5	16
8	Long-term reliable culture of a halophilic diatom, Amphora sp. MUR258, in outdoor raceway ponds. Journal of Applied Phycology, 2019, 31, 2771-2778.	1.5	12
9	The â€˜stressâ€™ concept in microalgal biologyâ€”homeostasis, acclimation and adaptation. Journal of Applied Phycology, 2018, 30, 2815-2825.	1.5	95
10	Biology of Microalgae. , 2018, , 23-72.		57
11	Microalgae in Medicine and Human Health. , 2018, , 195-210.		17
12	Growth of microalgae on undiluted anaerobic digestate of piggery effluent with high ammonium concentrations. Algal Research, 2017, 24, 218-226.	2.4	164
13	Scaling up microalgal cultures to commercial scale. European Journal of Phycology, 2017, 52, 407-418.	0.9	168
14	Algal Physiology and Large-Scale Outdoor Cultures of Microalgae. , 2016, , 601-652.		51
15	Isolation and screening of euryhaline Tetraselmis spp. suitable for large-scale outdoor culture in hypersaline media for biofuels. Journal of Applied Phycology, 2016, 28, 1-14.	1.5	92
16	Chemically-Mediated Interactions in Microalgae. , 2016, , 321-357.		17
17	Systematics, Taxonomy and Species Names: Do They Matter?. , 2016, , 655-681.		24
18	Algal Biotechnology. Cellular Origin and Life in Extreme Habitats, 2015, , 319-338.	0.3	2

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19	Identifying locations for large-scale microalgae cultivation in Western Australia: A GIS approach. Applied Energy, 2015, 149, 379-391.	5.1	50
20	Tyge Christensen Prize 2012. Phycologia, 2014, 53, 657-658.	0.6	0
21	Comparison of growth of Tetraselmis in a tubular photobioreactor (Biocoil) and a raceway pond. Journal of Applied Phycology, 2014, 26, 247-255.	1.5	64
22	Pilot-scale continuous recycling of growth medium for the mass culture of a halotolerant Tetraselmis sp. in raceway ponds under increasing salinity: A novel protocol for commercial microalgal biomass production. Bioresource Technology, 2014, 161, 47-54.	4.8	124
23	Non-destructive hydrocarbon extraction from Botryococcus braunii BOT-22 (race B). Journal of Applied Phycology, 2014, 26, 1453-1463.	1.5	53
24	Sustainable biofuels from algae. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 13-25.	1.0	294
25	Non-destructive oil extraction from Botryococcus braunii (Chlorophyta). Journal of Applied Phycology, 2013, 25, 1653-1661.	1.5	63
26	Patents on cyanobacteria and cyanobacterial products and uses. , 2013, , 329-338.		1
27	Open Pond Culture Systems. , 2013, , 133-152.		74
28	Standard Methods for Measuring Growth of Algae and Their Composition. , 2013, , 265-284.		108
29	Energy from Microalgae: A Short History. , 2013, , 1-15.		41
30	Species and Strain Selection. , 2013, , 77-89.		35
31	Techno-Economic Modeling for Biofuels from Microalgae. , 2013, , 255-264.		12
32	High-value products from microalgaeâ€"their development and commercialisation. Journal of Applied Phycology, 2013, 25, 743-756.	1.5	1,172
33	Production of biofuels from microalgae. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 47-72.	1.0	138
34	Extraction and conversion pathways for microalgae to biodiesel: a review focused on energy consumption. Journal of Applied Phycology, 2012, 24, 1681-1698.	1.5	167
35	Bioremediation and other potential applications of coccolithophorid algae: A review. Algal Research, 2012, 1, 120-133.	2.4	58
36	Lower Plants. , 2012, , 653-670.		0

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37	Spongophloea, a new genus of red algae based onThamnocloniumsect.NematophoraeWeber-van Bosse (Halymeniales). European Journal of Phycology, 2011, 46, 1-15.	0.9	16
38	Increased CO2 and the effect of pH on growth and calcification of Pleurochrysis carterae and Emiliania huxleyi (Haptophyta) in semicontinuous cultures. Applied Microbiology and Biotechnology, 2011, 90, 1399-1407.	1.7	62
39	Coccolithophorid algae culture in closed photobioreactors. Biotechnology and Bioengineering, 2011, 108, 2078-2087.	1.7	38
40	An economic and technical evaluation of microalgal biofuels. Nature Biotechnology, 2010, 28, 126-128.	9.4	412
41	Carotenoid Production Using Microorganisms. , 2010, , 225-240.		31
42	Algae Oils for Biofuels: Chemistry, Physiology, and Production. , 2010, , 271-289.		11
43	Chlorophyll Fluorescence Terminology: An Introduction. , 2010, , 1-17.		47
44	The Use of the Fluorescence Signal in Studies of Seagrasses and Macroalgae. , 2010, , 187-208.		55
45	Future prospects of microalgal biofuel production systems. Trends in Plant Science, 2010, 15, 554-564.	4.3	288
46	Ralph A Lewin (1921â€“2008). Journal of Applied Phycology, 2009, 21, 1-9.	1.5	11
47	M. E. Gershwin, A. Belay (eds). Spirulina in human nutrition and health. Journal of Applied Phycology, 2009, 21, 747-748.	1.5	13
48	Carotenoids in certain species of lichen from Australia. Feddes Repertorium, 2008, 103, 297-302.	0.2	6
49	Marine and halophilic algae for the production of biofuels. Journal of Biotechnology, 2008, 136, S7.	1.9	12
50	Epiphytes of Seagrasses. , 2007, , 441-461.		23
51	THREE ALGAL PROPAGATION METHODS ASSESSED TO CREATE A RHODOPHYTA DIET FOR JUVENILE GREENLIP ABALONE (HALIOTIS LAEVIGATA) IN THE LATER NURSERY PHASE. Journal of Shellfish Research, 2007, 26, 737-744.	0.3	4
52	Limits to productivity of the algaPleurochrysis carterae (Haptophyta) grown in outdoor raceway ponds. Biotechnology and Bioengineering, 2007, 96, 27-36.	1.7	121
53	The taxonomy of the genus Dunaliella (Chlorophyta, Dunaliellales) with emphasis on the marine and halophilic species. Journal of Applied Phycology, 2007, 19, 567-590.	1.5	185
54	Applying Pulse Amplitude Modulation (PAM) fluorometry to microalgae suspensions: stirring potentially impacts fluorescence. Photosynthesis Research, 2006, 88, 343-350.	1.6	59

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55	The long-term culture of the coccolithophore Pleurochrysis carterae (Haptophyta) in outdoor raceway ponds. Journal of Applied Phycology, 2006, 18, 703-712.	1.5	220
56	GROWTH AND SURVIVAL OF JUVENILE GREENLIP ABALONE (HALIOTIS LAEVIGATA) FEEDING ON GERMLINGS OF THE MACROALGAE ULVA SP. Journal of Shellfish Research, 2006, 25, 239-247.	0.3	19
57	Carotenoid Production Using Microorganisms. , 2005, , .		3
58	Culturing Microalgae in Outdoor Ponds. , 2005, , 205-218.		72
59	Seasonal variability in sediment distribution along an exposure gradient in a seagrass meadow in Shoalwater Bay, Western Australia. Estuarine, Coastal and Shelf Science, 2003, 57, 587-592.	0.9	40
60	The role of habitat in determining the distribution of a sponge-red alga symbiosis on a coral reef. Journal of Experimental Marine Biology and Ecology, 2003, 283, 1-20.	0.7	19
61	Heterotrophy on ultraplankton communities is an important source of nitrogen for a spongeâ€“rhodophyte symbiosis. Journal of Experimental Biology, 2003, 206, 4533-4538.	0.8	23
62	Ammonium excretion by a symbiotic sponge supplies the nitrogen requirements of its rhodophyte partner. Journal of Experimental Biology, 2002, 205, 3505-3511.	0.8	55
63	Ammonium excretion by a symbiotic sponge supplies the nitrogen requirements of its rhodophyte partner. Journal of Experimental Biology, 2002, 205, 3505-11.	0.8	43
64	Heydrichia homalopasta sp. nov. (Sporolithaceae, Rhodophyta) from Australia. Botanica Marina, 2001, 44, .	0.6	7
65	Population dynamics of an association between a coral reef sponge and a red macroalga. Journal of Experimental Marine Biology and Ecology, 2000, 244, 87-105.	0.7	34
66	Commercial production of microalgae: ponds, tanks, and fermenters. Progress in Industrial Microbiology, 1999, 35, 313-321.	0.0	106
67	Commercial production of microalgae: ponds, tanks, tubes and fermenters. Journal of Biotechnology, 1999, 70, 313-321.	1.9	962
68	Distribution of the epiphytic organisms on Posidonia australis and P. sinuosa, two seagrasses with differing leaf morphology. Marine Ecology - Progress Series, 1999, 179, 215-229.	0.9	59
69	A 75th Birthday Tribute to H. B. S. Womersley. Botanica Marina, 1998, 41, 1-6.	0.6	8
70	Two new species of Caulerpa (Caulerpales, Chlorophyta) from the west coast of Australia. Phycologia, 1998, 37, 10-15.	0.6	7
71	Limits to Growth. , 1998, , 203-226.		190
72	Microalgae for aquaculture: Opportunities and constraints. Journal of Applied Phycology, 1997, 9, 393-401.	1.5	355

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73	Microalgae as sources of pharmaceuticals and other biologically active compounds. Journal of Applied Phycology, 1995, 7, 3-15.	1.5	422
74	An account of the red algal genus Sporolithon (Sporolithaceae, Corallinales) in southern Australia. Australian Systematic Botany, 1995, 8, 85.	0.3	57
75	Chapter 15 Application of Biotechnology to Coastal Lagoons. Elsevier Oceanography Series, 1994, 60, 443-470.	0.1	0
76	Effect of cell density and irradiance on growth, proximate composition and eicosapentaenoic acid production ofPhaeodactylum tricornutum grown in a tubular photobioreactor. Journal of Applied Phycology, 1994, 6, 67-74.	1.5	127
77	Isolation of Oscillatoria spongeliae, the filamentous cyanobacterial symbiont of the marine sponge Dysidea herbacea. Marine Biology, 1994, 119, 99-104.	0.7	50
78	Light and nitrogen deficiency effects on the growth and composition ofPhaeodactylum tricornutum. Applied Biochemistry and Biotechnology, 1993, 38, 93-103.	1.4	62
79	The study for isolation and purification of R-phycoerythrin from a red alga. Applied Biochemistry and Biotechnology, 1993, 43, 133-139.	1.4	16
80	The Ecology of Dunaliella salina (Chlorophyceae, Volvocales): Effect of Environmental Conditions on Aplanospore Formation. Botanica Marina, 1993, 36, .	0.6	26
81	Algal biotechnology products and processes â€" matching science and economics. Journal of Applied Phycology, 1992, 4, 267-279.	1.5	238
82	Algal Carotenoids 51. Secondary carotenoids 2.Haematococcus pluvialis aplanospores as a source of (3S, 3â€²S)-astaxanthin esters. Journal of Applied Phycology, 1992, 4, 165-171.	1.5	128
83	Culture of the astaxanthin-producing green algaHaematococcus pluvialis 1. Effects of nutrients on growth and cell type. Journal of Applied Phycology, 1991, 3, 295-304.	1.5	201
84	A Rapid and Inexpensive Method for Surface Sterilisation of Ecklonia radiata (Phaeophyta) for Tissue Culture. Botanica Marina, 1991, 34, .	0.6	8
85	Culture of the astaxanthin-producing green algaHaematococcus pluvialis 1. Effects of nutrients on growth and cell type. Journal of Applied Phycology, 1991, 3, 295-304.	1.5	4
86	Effects of salinity increase on carotenoid accumulation in the green alga Dunaliella salina. Journal of Applied Phycology, 1990, 2, 111-119.	1.5	129
87	A revision of the Australian species of Galaxaura (Rhodophyta, Galaxauraceae), with a description of Tricleocarpa gen. nov.. Phycologia, 1990, 29, 150-172.	0.6	39
88	Tissue culture of Ecklonia radiata (Phaeophyceae, Laminariales): effects on growth of light, organic carbon source and vitamins. Journal of Applied Phycology, 1989, 1, 105-112.	1.5	35
89	The development of an artificial, Amphibolis-like seagrass of complex morphology and preliminary data on its colonization by epiphytes. Aquatic Botany, 1988, 31, 153-168.	0.8	19
90	Calcification in algae: Mechanisms and the role of metabolism. Critical Reviews in Plant Sciences, 1987, 6, 1-45.	2.7	141

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91	Nutrition of the temperate Australian soft coral Capnella gaboensis. Marine Biology, 1987, 95, 565-574.	0.7	22
92	Nutrition of the temperate Australian soft coral Capnella gaboensis. Marine Biology, 1987, 95, 575-581.	0.7	31
93	Changes in structure of isolated chloroplasts ofCodium fragile andCaulerpa filiformis in response to osmotic shock and detergent treatment. Protoplasma, 1984, 120, 155-164.	1.0	14
94	Calcification in aquatic plants. Plant, Cell and Environment, 1984, 7, 457-466.	2.8	44
95	ULTRASTRUCTURE OF TETRASPOROGENESIS IN THE CORALLINE ALGA HALIPTILON CUVIERI(RHODOPHYTA)1. Journal of Phycology, 1984, 20, 501-515.	1.0	28
96	The mass culture of Dunaliella salina for fine chemicals: From laboratory to pilot plant. Hydrobiologia, 1984, 116-117, 115-121.	1.0	95
97	Antimicrobial activity from marine algae: Results of a large-scale screening programme. Hydrobiologia, 1984, 116-117, 158-168.	1.0	98
98	The chloroplasts of giant-celled and coenocytic algae: Biochemistry and structure. Botanical Review, The, 1984, 50, 267-307.	1.7	14
99	The protozoa of a Western Australian hypersaline lagoon. Hydrobiologia, 1983, 105, 95-113.	1.0	149
100	Morphological and Cytological Aspects of Algal Calcification. International Review of Cytology, 1982, 74, 127-162.	6.2	69
101	The ultrastructure of Oscillatoria spongeliae, the blue-green algal endosymbiont of the sponge Dysidea herbacea. Phycologia, 1982, 21, 327-335.	0.6	47
102	Photosynthesis and calcification in the articulated coralline red algae Amphiroa anceps and A. foliacea. Marine Biology, 1981, 62, 17-23.	0.7	113
103	Algae and grazing in coral reef ecosystems. Endeavour, 1981, 5, 99-106.	0.1	51
104	Diurnal lipid and mucus production in the staghorn coral Acropora acuminata. Marine Biology, 1980, 60, 81-90.	0.7	226
105	Calcium exchange and the measurement of calcification rates in the calcareous coralline red alga Amphiroa foliacea. Marine Biology, 1979, 50, 339-347.	0.7	21
106	ULTRASTRUCTURE OF THE CORALLINACEAE (RHODOPHYTA) II. VEGETATIVE CELLS OF LITHOTHRIX ASPERGILLUM¹. Journal of Phycology, 1979, 15, 146-153.	1.0	9
107	ULTRASTRUCTURE OF THE CORALLINACEAE (RHODOPHYTA) II. VEGETATIVE CELLS OF LITHOTHRIX ASPERGILLUM1. Journal of Phycology, 1979, 15, 146-153.	1.0	15
108	Ultrastructure of the corallinaceae. I. The vegetative cells of Corallina officinalis and C. cuvierii. Marine Biology, 1978, 46, 295-304.	0.7	69

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109	Plastid development and floridean starch grain formation during carposporogenesis in the coralline red algaLithothrix aspergillum Gray. Protoplasma, 1978, 95, 217-228.	1.0	24
110	THE POLYMORPHIC DIATOM PHAEODACTYLUM TRICORNUTUM : ULTRASTRUCTURE OF ITS MORPHOTYPES1, 2. Journal of Phycology, 1978, 14, 10-21.	1.0	124
111	A preliminary study of algal turf communities of a shallow coral reef lagoon using an artificial substratum. Aquatic Botany, 1978, 5, 365-381.	0.8	42
112	CALCIFICATION IN THE GREEN ALGAHALIMEDA.I. AN ULTRASTRUCTURE STUDY OF THALLUS DEVELOPMENT¹. Journal of Phycology, 1977, 13, 6-16.	1.0	86
113	ULTRASTRUCTURE OF A CHAINâ€FORMING DIATOM PHAEODACTYLUM TRICORNUTUM¹. Journal of Phycology, 1977, 13, 162-170.	1.0	11
114	CALCIFICATION IN THE GREEN ALGA HALIMEDA. I. AN ULTRASTRUCTURE STUDY OF THALLUS DEVELOPMENT1. Journal of Phycology, 1977, 13, 6-16.	1.0	63
115	ULTRASTRUCTURE OF A CHAIN-FORMING DIATOM PHAEODACTYLUM TRICORNUTUM1. Journal of Phycology, 1977, 13, 162-170.	1.0	24
116	PHYLOGENETIC RELATIONSHIPS OFCAULERPA(CHLOROPHYTA) BASED ON COMPARATIVE CHLOROPLAST ULTRASTRUCTURE^{1,}². Journal of Phycology, 1976, 12, 149-162.	1.0	8
117	Some unusual features of the ultrastructure of the chloroplasts of the green algal orderCaulerpales and their development. Protoplasma, 1976, 89, 129-147.	1.0	22
118	Calcification in the Green AlgaHalimeda. Journal of Experimental Botany, 1976, 27, 879-893.	2.4	136
119	Calcification in the Green AlgaHalimeda. Journal of Experimental Botany, 1976, 27, 894-907.	2.4	42
120	Calcification in the Green AlgaHalimeda. Journal of Experimental Botany, 1976, 27, 864-878.	2.4	77
121	PHYLOGENETIC RELATIONSHIPS OF CAULERPA (CHLOROPHYTA) BASED ON COMPARATIVE CHLOROPLAST ULTRASTRUCTURE1,2. Journal of Phycology, 1976, 12, 149-162.	1.0	39
122	Chloroplast development in the caulerpalean algaHalimeda. Protoplasma, 1974, 81, 131-144.	1.0	24
123	A scanning electron microscope study of the structure and organization of the calcium carbonate deposits of algae. Phycologia, 1974, 13, 195-203.	0.6	82
124	Intertidal algal species diversity and the effect of pollution. Marine and Freshwater Research, 1972, 23, 73.	0.7	117
125	Epiphytes of Seagrasses. , 0, , 441-461.		9
126	The Influence of Micro Algae on Corrosion of Steel in Fly Ash Geopolymer Concrete: A Preliminary Study. Advanced Materials Research, 0, 626, 861-866.	0.3	9