

# Roberto Bianchini Derner

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

775  
citations

686830

13  
h-index

552369

26  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated use of microalgal biomass of <i>Choricystis minor</i> var. <i>minor</i> : a promising model for production of biodiesel and aquafeeds. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1565-1573.	2.9	13
2	Effect of different cultivation conditions on the production of volatile organic compounds by the microalgae <i>Arthrospira platensis</i> and <i>Chlorella</i> sp.. <i>Journal of Applied Phycology</i> , 2022, 34, 203-217.	1.5	3
3	Digestibility, bioaccessibility and bioactivity of compounds from algae. <i>Trends in Food Science and Technology</i> , 2022, 121, 114-128.	7.8	53
4	Effects of Microalgae Addition and Fish Feed Supplementation in the Integrated Rearing of Pacific White Shrimp and Nile Tilapia Using Biofloc Technology. <i>Animals</i> , 2022, 12, 1527.	1.0	5
5	Optimization of biodiesel production by <i>in situ</i> transesterification from dry biomass of <i>Choricystis minor</i> var. <i>minor</i> via response surface methodology. <i>Biofuels</i> , 2021, 12, 1301-1307.	1.4	4
6	Lutein and biodiesel sequential production from microalga using an environmentally friendly approach. <i>Chemical Engineering Communications</i> , 2021, 208, 965-975.	1.5	3
7	Synergistic effect of growth conditions and organic carbon sources for improving biomass production and biodiesel quality by the microalga <i>Choricystis minor</i> var. <i>minor</i> . <i>Science of the Total Environment</i> , 2021, 759, 143476.	3.9	39
8	Minimum rotifer density for best growth, survival and nutritional status of Brazilian sardine larvae, <i>Sardinella brasiliensis</i> . <i>Aquaculture</i> , 2021, 534, 736264.	1.7	6
9	Preparation and characterization of <i>Haematococcus pluvialis</i> carotenoid-loaded PLGA nanocapsules in a gel system with antioxidant properties for topical application. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102099.	1.4	16
10	Live diet for first feeding of Brazilian sardine, <i>Sardinella brasiliensis</i> (STEINDACHNER, 1879), larvae in captivity. <i>Aquaculture Research</i> , 2021, 52, 5558-5565.	0.9	2
11	Extraction of <i>Muriella decolor</i> lipids using conventional and pressurized solvents and characterization of their fatty acid profile for biodiesel applications. <i>Journal of Supercritical Fluids</i> , 2020, 158, 104750.	1.6	6
12	The effect of light intensity on the production and accumulation of pigments and fatty acids in <i>Phaeodactylum tricornutum</i> . <i>Journal of Applied Phycology</i> , 2020, 32, 1017-1025.	1.5	34
13	A comparison of harvesting and drying methodologies on fatty acids composition of the green microalga <i>Scenedesmus obliquus</i> . <i>Biomass and Bioenergy</i> , 2020, 132, 105437.	2.9	24
14	Anti-cancer Effects of Fucoxanthin on Human Glioblastoma Cell Line. <i>Anticancer Research</i> , 2020, 40, 6799-6815.	0.5	16
15	Surface-to-volume ratio influence on the growth of <i>Scenedesmus obliquus</i> in a thin-layer cascade system. <i>Journal of Applied Phycology</i> , 2020, 32, 821-829.	1.5	15
16	Effect of trace metals on growth performance and accumulation of lipids, proteins, and carbohydrates on the green microalga <i>Scenedesmus obliquus</i> . <i>Aquaculture International</i> , 2020, 28, 1435-1444.	1.1	14
17	Antimicrobial activity of seaweeds extracts against pathogenic bacteria in aquaculture. <i>Brazilian Applied Science Review</i> , 2020, 4, 1192-1205.	0.1	0
18	Effects of different harvesting and processing methods on <i>Nannochloropsis oculata</i> concentrates and their application on rotifer <i>Brachionus</i> sp. cultures. <i>Journal of Applied Phycology</i> , 2019, 31, 3607-3615.	1.5	12

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19	Drying of <i>Scenedesmus obliquus</i> : Experimental and modeling study. <i>Algal Research</i> , 2019, 39, 101428.	2.4	14
20	Effect of phosphorus and growth phases on the transcription levels of EPA biosynthesis genes in the diatom <i>Phaeodactylum tricornutum</i> . <i>Revista Brasileira De Botanica</i> , 2019, 42, 13-22.	0.5	7
21	In vitro fucoxanthin production by the <i>Phaeodactylum tricornutum</i> diatom. <i>Studies in Natural Products Chemistry</i> , 2019, 63, 211-242.	0.8	9
22	Carbon biofixation and lipid composition of an acidophilic microalga cultivated on treated wastewater supplied with different CO <sub>2</sub> levels. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 101-110.	1.0	10
23	Growth modeling of the green microalga <i>Scenedesmus obliquus</i> in a hybrid photobioreactor as a practical tool to understand both physical and biochemical phenomena in play during algae cultivation. <i>Biotechnology and Bioengineering</i> , 2018, 115, 965-977.	1.7	11
24	Polyunsaturated 3 and 6 fatty acids, total carotenoids and antioxidant activity of three marine microalgae extracts obtained by supercritical CO <sub>2</sub> and subcritical n-butane. <i>Journal of Supercritical Fluids</i> , 2018, 133, 437-443.	1.6	62
25	Obtenção de extratos secos de carotenoides a partir da biomassa da microalga <i>Haematococcus pluvialis</i> por secagem em torre de aspersão (spray-drying). <i>Revista Materia</i> , 2018, 23, .	0.1	3
26	<i>Choricystis minor</i> var. <i>minor</i> lipids: Extraction using conventional and pressurized solvents and assessment of their potential to produce fatty acid methyl esters. <i>Algal Research</i> , 2018, 33, 28-35.	2.4	8
27	Technical feasibility of residual biomass of microalgae <i>Desmodesmus</i> sp. after supercritical extraction: evaluation of chemical composition. <i>Revista Brasileira De Tecnologia Agroindustrial</i> , 2018, 12, .	0.1	0
28	Improvement of the Extraction Process for High Commercial Value Pigments from <i>Desmodesmus</i> sp. <i>Microalgae</i> . <i>Journal of the Brazilian Chemical Society</i> , 2016, .	0.6	11
29	Chemical Characterization of Six Microalgae with Potential Utility for Food Application. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2016, 93, 963-972.	0.8	117
30	Using residual water from a marine shrimp farming BFT system. Part II: <i>Artemia franciscana</i> biomass production fed microalgae grown in reused BFT water. <i>Aquaculture Research</i> , 2016, 47, 2716-2722.	0.9	2
31	Using residual water from a marine shrimp farming BFT system. part I: nutrient removal and marine microalgae biomass production. <i>Aquaculture Research</i> , 2016, 47, 2435-2443.	0.9	7
32	Culture medium influence on growth, fatty acid, and pigment composition of <i>Choricystis minor</i> var. <i>minor</i> : a suitable microalga for biodiesel production. <i>Journal of Applied Phycology</i> , 2016, 28, 2679-2686.	1.5	19
33	<i>Nannochloropsis oculata</i> D. microalgae growth in a treated effluent from superintensive shrimp cultivation. <i>Revista Agrogeoambiental</i> , 2016, 8, .	0.0	0
34	Evaluation of fatty acid composition of the microalgae <i>Choricystis minor</i> var. <i>minor</i> according to two different nutrient feeding strategies. <i>Journal of Renewable and Sustainable Energy</i> , 2015, 7, 043117.	0.8	4
35	Atividade antimicrobiana de extratos etanólicos de algas no controle de <i>Penicillium expansum</i> Link (Trichocomaceae, Ascomycota). <i>Biotemas</i> , 2015, 28, 23.	0.2	1
36	Lipid content and fatty acid profiles in ten species of microalgae. <i>Idesia</i> , 2015, 33, 93-101.	0.1	34

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37	Water quality and growth of Pacific white shrimp <i>Litopenaeus vannamei</i> (Boone) in co-culture with green seaweed <i>Ulva lactuca</i> (Linnaeus) in intensive system. <i>Aquaculture International</i> , 2014, 22, 497-508.	1.1	51
38	Comparative Analysis of the Fatty Acid Composition of Microalgae Obtained by Different Oil Extraction Methods and Direct Biomass Transesterification. <i>Bioenergy Research</i> , 2014, 7, 1035-1044.	2.2	45
39	Spatial distribution of digestive proteinases in the midgut of the Pacific white shrimp ( <i>Litopenaeus</i> ) Tj ETQq1 1 0.784314 rgBT /Overl Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 172-173, 90-95.	0.7	11
40	UTILIZAÇÃO DAS MICROALGAS <i>Thalassiosira weissflogii</i> E <i>Nannochloropsis oculata</i> NO CULTIVO DE <i>Litopenaeus vannamei</i> EM SISTEMAS DE BERAÇÃRIOS, SEM RENOVAAÇÃO DE ÁGUA. <i>Atlântica</i> , 2011, 33, 101-114.	0.1	1
41	Produção de biomassa e teores de carbono, hidrogênio, nitrogênio e proteína em microalgas. <i>Ciencia Rural</i> , 2009, 39, 1760-1767.	0.3	10
42	Crescimento de microalgas em sistema autotrófico estacionário. <i>Biotemas</i> , 2008, 21, .	0.2	9
43	Characterization and experimental infection of <i>Flexibacter maritimus</i> (Wakabayashi et al. 1986) in hatcheries of post-larvae of <i>Litopenaeus vannamei</i> Boone, 1931. <i>Brazilian Journal of Biology</i> , 2008, 68, 173-177.	0.4	5
44	Microalgas, produtos e aplicações. <i>Ciencia Rural</i> , 2006, 36, 1959-1967.	0.3	55
45	AVALIAÇÃO DA COMPOSIÇÃO DO ÓLEO EXTRAÍDO DA MICROALGA <i>Desmodesmus</i> sp. UTILIZANDO FLUIDO SUPERCRÍTICO. , 0, , .		0