Mohamed Gomaa

List of Publications by Year
in descending order

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26 papers	874 citations	566801 15 h-index	552369 26 g-index
26 all docs	26 docs citations	26 times ranked	851 citing authors

#	Article	IF	Citations
1	Utilization of cellulose and ulvan from the green seaweed Ulva lactuca in the development of composite edible films with natural antioxidant properties. Journal of Applied Phycology, 2022, 34, 2615-2626.	1.5	18
2	Low-cost biosorption of Methylene Blue and Congo Red from single and binary systems using Sargassum latifolium biorefinery waste/wastepaper xerogel: an optimization and modeling study. Journal of Applied Phycology, 2021, 33, 675-691.	1.5	34
3	Environmental risk analysis of pharmaceuticals on freshwater phytoplankton assemblage: effects on alpha, beta, and taxonomic diversity. Environmental Science and Pollution Research, 2021, 28, 9954-9964.	2.7	14
4	In depth investigation of the retention behavior of structurally related Î²-blockers on RP-HPLC column: Quality by design and quantitative structure-property relationship complementary approaches for optimization and validation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1166, 122549.	1.2	5
5	Optimization of citric acid treatment for the sequential extraction of fucoidan and alginate from Sargassum latifolium and their potential antioxidant and Fe(III) chelation properties. Journal of Applied Phycology, 2021, 33, 2523-2535.	1.5	14
6	Biosorption of ketoprofen and diclofenac by living cells of the green microalgae Chlorella sp.. Environmental Science and Pollution Research, 2021, 28, 69242-69252.	2.7	14
7	Phycotoxicity of antibiotics and non-steroidal anti-inflammatory drugs to green algae Chlorella sp. and Desmodesmus spinosus: Assessment of combined toxicity by Boxâ€“Behnken experimental design. Environmental Technology and Innovation, 2021, 23, 101586.	3.0	21
8	Industrial optimization of alkaline and bleaching conditions for cellulose extraction from the marine seaweed Ulva lactuca. Journal of Applied Phycology, 2021, 33, 4093-4103.	1.5	4
9	Enhancement of microalgal biomass, lipid production and biodiesel characteristics by mixotrophic cultivation using enzymatically hydrolyzed chitin waste. Biomass and Bioenergy, 2021, 154, 106251.	2.9	10
10	Fungal Agarase Production in a Cost-Effective Macroalgal Based Medium and Enzymatic Hydrolysis of the Alkali Extracted Macroalgal Biomass: An Optimization Study. Waste and Biomass Valorization, 2020, 11, 255-264.	1.8	7
11	Pretreated fucoidan and alginate from a brown seaweed as a substantial carbon source for promoting biomass, lipid, biochemical constituents and biodiesel quality of Dunaliella salina. Renewable Energy, 2020, 157, 246-255.	4.3	27
12	Use of algal biorefinery waste and waste office paper in the development of xerogels: A low cost and eco-friendly biosorbent for the effective removal of congo red and Fe (II) from aqueous solutions. Journal of Environmental Management, 2020, 262, 110380.	3.8	46
13	Optimization of production and intrinsic viscosity of an exopolysaccharide from a high yielding Virgibacillus salarius BM02: Study of its potential antioxidant, emulsifying properties and application in the mixotrophic cultivation of Spirulina platensis. International Journal of Biological Macromolecules, 2020, 149, 552-561.	3.6	30
14	Optimizing a Low-Cost Production Process of Crude Fucoidanase by Dendryphiella arenaria Utilizing Cystoseira trinodis (Phaeophyceae) and Enzymatic Hydrolysis of the Brown Algal Biomass. Waste and Biomass Valorization, 2019, 10, 2773-2781.	1.8	10
15	Optimization of enzymatic saccharification of fucoidan and alginate from brown seaweed using fucoidanase and alginate lyase from the marine fungus Dendryphiella arenaria. Journal of Applied Phycology, 2019, 31, 1955-1965.	1.5	13
16	Use of the brown seaweed Sargassum latifolium in the design of alginate-fucoidan based films with natural antioxidant properties and kinetic modeling of moisture sorption and polyphenolic release. Food Hydrocolloids, 2018, 82, 64-72.	5.6	69
17	Use of seaweed and filamentous fungus derived polysaccharides in the development of alginate-chitosan edible films containing fucoidan: Study of moisture sorption, polyphenol release and antioxidant properties. Food Hydrocolloids, 2018, 82, 239-247.	5.6	70
18	Upgrading the antioxidant properties of fucoidan and alginate from Cystoseira trinodis by fungal fermentation or enzymatic pretreatment of the seaweed biomass. Food Chemistry, 2018, 269, 387-395.	4.2	56

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19	Optimization of alginate alkaline extraction technology from Sargassum latifolium and its potential antioxidant and emulsifying properties. Carbohydrate Polymers, 2017, 157, 1903-1912.	5.1	104
20	In Vitro Comparative Evaluation of Antioxidant Activity of Hydrophobic and Hydrophilic Extracts from Algicolous Fungi. Journal of Aquatic Food Product Technology, 2017, 26, 124-131.	0.6	7
21	Statistical Optimization of Culture Variables for Enhancing Agarase Production by Dendryphiella arenaria Utilizing Palisada perforata (Rhodophyta) and Enzymatic Saccharification of the Macroalgal Biomass. Marine Biotechnology, 2017, 19, 592-600.	1.1	14
22	Technology optimization of chitosan production from Aspergillus niger biomass and its functional activities. Food Hydrocolloids, 2017, 63, 593-601.	5.6	80
23	Industrial optimization of fucoidan extraction from Sargassum sp. and its potential antioxidant and emulsifying activities. Food Hydrocolloids, 2016, 54, 77-88.	5.6	140
24	Biodegradation of Palisada perforata (Rhodophyceae) and Sargassum sp. (Phaeophyceae) biomass by crude enzyme preparations from algicolous fungi. Journal of Applied Phycology, 2015, 27, 2395-2404.	1.5	24
25	Spatio temporal and environmental factors influencing macroalgal Î² diversity in the Red Sea, Egypt. Botanica Marina, 2014, 57, 99-110.	0.6	16
26	Spatio-temporal, environmental factors, and host identity shape culturable-epibiotic fungi of seaweeds in the Red Sea, Egypt. Hydrobiologia, 2014, 740, 37-49.	1.0	27