

Adane Tilahun Getachew

List of Publications by Year in descending order

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34
papers

1,061
citations

331670

21
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of pretreatment and modifiers on subcritical water liquefaction of spent coffee grounds: A green waste valorization approach. <i>Journal of Cleaner Production</i> , 2017, 142, 3719-3727.	9.3	102
2	Influence of co-solvents on fucoxanthin and phlorotannin recovery from brown seaweed using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2017, 120, 295-303.	3.2	85
3	Subcritical water extraction of fucoïdan from <i>Saccharina japonica</i> : optimization, characterization and biological studies. <i>Journal of Applied Phycology</i> , 2018, 30, 579-590.	2.8	67
4	Optimization of polysaccharides extraction from Pacific oyster (<i>Crassostrea gigas</i>) using subcritical water: Structural characterization and biological activities. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 852-861.	7.5	64
5	Effect of pretreatments on isolation of bioactive polysaccharides from spent coffee grounds using subcritical water. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 711-719.	7.5	54
6	Emerging Technologies for the Extraction of Marine Phenolics: Opportunities and Challenges. <i>Marine Drugs</i> , 2020, 18, 389.	4.6	54
7	Extraction of astaxanthin using ultrasound-assisted natural deep eutectic solvents from shrimp wastes and its application in bioactive films. <i>Journal of Cleaner Production</i> , 2021, 284, 125417.	9.3	46
8	Optimization of coffee oil flavor encapsulation using response surface methodology. <i>LWT - Food Science and Technology</i> , 2016, 70, 126-134.	5.2	45
9	Molecular modification of native coffee polysaccharide using subcritical water treatment: Structural characterization, antioxidant, and DNA protecting activities. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 555-562.	7.5	39
10	Characterization of functional materials derived from tropical red seaweed <i>Hypnea musciformis</i> produced by subcritical water extraction systems. <i>Journal of Applied Phycology</i> , 2019, 31, 2517-2528.	2.8	36
11	Recovery and bio-potentialities of astaxanthin-rich oil from shrimp (<i>Penaeus monodon</i>) waste and mackerel (<i>Scomberomous niphonius</i>) skin using concurrent supercritical CO ₂ extraction. <i>Journal of Supercritical Fluids</i> , 2020, 159, 104773.	3.2	35
12	Optimization of phytochemicals production from the ginseng by-products using pressurized hot water: Experimental and dynamic modelling. <i>Biochemical Engineering Journal</i> , 2016, 113, 141-151.	3.6	34
13	Application of bacterial collagenolytic proteases for the extraction of type I collagen from the skin of bigeye tuna (<i>Thunnus obesus</i>). <i>LWT - Food Science and Technology</i> , 2018, 89, 44-51.	5.2	33
14	Characterization of pepsin-solubilised collagen recovered from mackerel (<i>Scomber japonicus</i>) bone and skin using subcritical water hydrolysis. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 1290-1297.	7.5	33
15	Characteristics of functional materials recovered from Solomon Islands red seaweed (<i>Kappaphycus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.8	31
16	Concurrent extraction of oil from roasted coffee (<i>Coffea arabica</i>) and fucoxanthin from brown seaweed (<i>Saccharina japonica</i>) using supercritical carbon dioxide. <i>Journal of CO₂ Utilization</i> , 2018, 25, 137-146.	6.8	31
17	Optimization and characterization of polysaccharides extraction from Giant African snail (<i>Achatina</i>) Tj ETQq1 1 0.784314 rgBT /Overl 2019, 18, 100179.	2.7	31
18	Influence of hydrothermal process on bioactive compounds extraction from green coffee bean. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 38, 24-31.	5.6	30

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19	Optimization of phenolic antioxidants extraction from <i>Fucus vesiculosus</i> by pressurized liquid extraction. <i>Journal of Applied Phycology</i> , 2021, 33, 1195-1207.	2.8	25
20	Composition of <i>Asarum heterotropoides</i> var. <i>mandshuricum</i> radix oil from different extraction methods and activities against human body odor-producing bacteria. <i>Journal of Food and Drug Analysis</i> , 2016, 24, 813-821.	1.9	24
21	Green synthesis of silver nanoparticles from deoiled brown algal extract via Box-Behnken based design and their antimicrobial and sensing properties. <i>Green Processing and Synthesis</i> , 2017, 6, 147-160.	3.4	23
22	Comparison of Characteristics of Oils Extracted from a Mixture of Citrus Seeds and Peels Using Hexane and Supercritical Carbon Dioxide. <i>Waste and Biomass Valorization</i> , 2017, 8, 1205-1217.	3.4	23
23	Physicochemical characterization and deodorant activity of essential oil recovered from <i>Asiasarum heterotropoides</i> using supercritical carbon dioxide and organic solvents. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 69, 217-224.	5.8	16
24	Fish skin gelatin based packaging films functionalized by subcritical water extract from spent coffee ground. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100735.	7.5	15
25	Characterization and in vitro cytotoxicity of phytochemicals from <i>Aspilia africana</i> obtained using green extraction techniques. <i>South African Journal of Botany</i> , 2020, 128, 231-238.	2.5	14
26	Green extraction of polyphenolic-polysaccharide conjugates from <i>Pseuderanthemum palatiferum</i> (Nees) Radlk.: Chemical profile and anticoagulant activity. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 484-493.	7.5	14
27	Biofunctional properties of bacterial collagenolytic protease-extracted collagen hydrolysates obtained using catalysts-assisted subcritical water hydrolysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 332-339.	5.8	13
28	Effect of Extraction Temperature on Pressurized Liquid Extraction of Bioactive Compounds from <i>Fucus vesiculosus</i> . <i>Marine Drugs</i> , 2022, 20, 263.	4.6	13
29	Effects of process parameters on EPA and DHA concentrate production from Atlantic salmon by-product oil: Optimization and characterization. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2255-2264.	2.7	9
30	Influence of temperature on decomposition reaction of compressed hot water to valorize <i>Achatina fulica</i> as a functional material. <i>Food and Bioproducts Processing</i> , 2020, 122, 89-97.	3.6	8
31	Pressurized hot water crosslinking of gelatin-alginate for the enhancement of spent coffee oil emulsion stability. <i>Journal of Supercritical Fluids</i> , 2021, 169, 105120.	3.2	5
32	Anticancer and Apoptotic Activity in Cervical Adenocarcinoma HeLa Using Crude Extract of <i>Ganoderma applanatum</i> . <i>Current Issues in Molecular Biology</i> , 2022, 44, 1012-1026.	2.4	5
33	Coffee Flavor. , 2019, , 48-53.		2
34	Characteristics of Functional Materials Recovered from Indonesian Mangroves (<i>Sonneratia alba</i> and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 03013.	0.5	2