Hoang Chinh Nguyen

List of Publications by Year
in descending order

58 papers	1,671 citations	331670 21 h-index	302126 39 g-index
58 all docs	58 docs citations	58 times ranked	1716 citing authors

#	Article	IF	Citations
1	Evaluation of the Use of Different Solvents for Phytochemical Constituents, Antioxidants, and In Vitro Anti-Inflammatory Activities of Severinia buxifolia. Journal of Food Quality, 2019, 2019, 1-9.	2.6	307
2	Enzymatic production of biodiesel from insect fat using methyl acetate as an acyl acceptor: Optimization by using response surface methodology. Energy Conversion and Management, 2018, 158, 168-175.	9.2	88
3	Enhancing the abiotic stress tolerance of plants: from chemical treatment to biotechnological approaches. Physiologia Plantarum, 2018, 164, 452-466.	5.2	86
4	Direct transesterification of black soldier fly larvae (Hermetia illucens) for biodiesel production. Journal of the Taiwan Institute of Chemical Engineers, 2018, 85, 165-169.	5.3	81
5	Lipase-catalyzed synthesis of biodiesel from black soldier fly (Hermetica illucens): Optimization by using response surface methodology. Energy Conversion and Management, 2017, 145, 335-342.	9.2	78
6	Removal of various contaminants from water by renewable lignocellulose-derived biosorbents: a comprehensive and critical review. Critical Reviews in Environmental Science and Technology, 2019, 49, 2155-2219.	12.8	69
7	Biodiesel production by direct transesterification of wet spent coffee grounds using switchable solvent as a catalyst and solvent. Bioresource Technology, 2020, 296, 122334.	9.6	69
8	Physicochemical properties of starches and expression and activity of starch biosynthesis-related genes in sweet potatoes. Food Chemistry, 2016, 199, 556-564.	8.2	67
9	Enzyme-assisted extraction of insect fat for biodiesel production. Journal of Cleaner Production, 2019, 223, 436-444.	9.3	57
10	Sugarcane bagasse as a novel carbon source for heterotrophic cultivation of oleaginous microalga Schizochytrium sp.. Industrial Crops and Products, 2018, 121, 99-105.	5.2	53
11	Energy, exergy, environmental and economic analyzes (4E) and multi-objective optimization of a PEM fuel cell equipped with coolant channels. Renewable and Sustainable Energy Reviews, 2022, 157, 112021.	16.4	51
12	Bioactive Compounds, Antioxidants, and Health Benefits of Sweet Potato Leaves. Molecules, 2021, 26, 1820.	3.8	48
13	Aqueous enzymatic extraction of polyunsaturated fatty acidâ€“rich sacha inchi (Plukenetia volubilis L.) seed oil: An eco-friendly approach. LWT - Food Science and Technology, 2020, 133, 109992.	5.2	34
14	Biodiesel Production from a Novel Nonedible Feedstock, Soursop (Annona muricata L.) Seed Oil. Energies, 2018, 11, 2562.	3.1	31
15	Optimization of Ultrasound-Assisted Extraction of Flavonoids from Celastrus hindsii Leaves Using Response Surface Methodology and Evaluation of Their Antioxidant and Antitumor Activities. BioMed Research International, 2020, 2020, 1-9.	1.9	31
16	Machine learning method for simulation of adsorption separation: Comparisons of modelâ€™s performance in predicting equilibrium concentrations. Arabian Journal of Chemistry, 2022, 15, 103612.	4.9	30
17	A femoral shape porous scaffold bio-nanocomposite fabricated using 3D printing and freeze-drying technique for orthopedic application. Materials Chemistry and Physics, 2022, 275, 125302.	4.0	28
18	Multiple machine learning models for prediction of CO2 solubility in potassium and sodium based amino acid salt solutions. Arabian Journal of Chemistry, 2022, 15, 103608.	4.9	28

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19	Liquid Lipase-Catalyzed Esterification of Oleic Acid with Methanol for Biodiesel Production in the Presence of Superabsorbent Polymer: Optimization by Using Response Surface Methodology. Energies, 2018, 11, 1085.	3.1	25
20	Bio-Derived Catalysts: A Current Trend of Catalysts Used in Biodiesel Production. Catalysts, 2021, 11, 812.	3.5	25
21	Computational prediction of drug solubility in supercritical carbon dioxide: Thermodynamic and artificial intelligence modeling. Journal of Molecular Liquids, 2022, 354, 118888.	4.9	25
22	Green process for the preparation of phytosterol esters: Microwave-mediated noncatalytic synthesis. Chemical Engineering Journal, 2020, 382, 122796.	12.7	20
23	Optimization of aqueous enzymeâ€assisted extraction of rosmarinic acid from rosemary () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Food Processing and Preservation, 2021, 45, e15221.	2.0	20
24	Biomass accumulation of Panax vietnamensis in cell suspension cultures varies with addition of plant growth regulators and organic additives. Asian Pacific Journal of Tropical Medicine, 2017, 10, 907-915.	0.8	19
25	Antioxidant Activities of the Methanol Extracts of Various Parts of Phalaenopsis Orchids with White, Yellow, and Purple Flowers. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2018, 46, 457-465.	1.1	18
26	Using switchable solvent as a solvent and catalyst for in situ transesterification of spent coffee grounds for biodiesel synthesis. Bioresource Technology, 2019, 289, 121770.	9.6	18
27	Optimization of Extraction of Phenolic Compounds from Ocimum Basilicum Leaves and Evaluation of Their Antioxidant Activity. Pharmaceutical Chemistry Journal, 2020, 54, 162-169.	0.8	18
28	Electrostatic interaction assisted Ca-decorated C20 fullerene loaded to anti-inflammatory drugs to manage cardiovascular disease risk in rheumatoid arthritis patients. Journal of Molecular Liquids, 2022, 350, 118564.	4.9	18
29	Astaxanthin Production by Newly Isolated Rhodosporidium toruloides: Optimization of Medium Compositions by Response Surface Methodology. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2018, 47, 320-327.	1.1	17
30	Biodiesel Production from Insects: From Organic Waste to Renewable Energy. Current Organic Chemistry, 2019, 23, 1499-1508.	1.6	16
31	Molecular dynamic simulation and artificial intelligence of lead ions removal from aqueous solution using magnetic-ash-graphene oxide nanocomposite. Journal of Molecular Liquids, 2022, 347, 118290.	4.9	16
32	Prediction of busulfan solubility in supercritical CO2 using tree-based and neural network-based methods. Journal of Molecular Liquids, 2022, 351, 118630.	4.9	15
33	Newly Isolated Paecilomyces lilacinus and Paecilomyces javanicus as Novel Biocontrol Agents for Plutella xylostella and Spodoptera litura. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 45, 280-286.	1.1	14
34	Switchable Solvent-Catalyzed Direct Transesterification of Insect Biomass for Biodiesel Production. Bioenergy Research, 2020, 13, 563-570.	3.9	13
35	Liquid lipaseâ€catalyzed hydrolysis of gac oil for fatty acid production: Optimization using response surface methodology. Biotechnology Progress, 2018, 34, 1129-1136.	2.6	12
36	Development of multiple machine-learning computational techniques for optimization of heterogenous catalytic biodiesel production from waste vegetable oil. Arabian Journal of Chemistry, 2022, 15, 103843.	4.9	12

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37	Synthesis of Ag-coated on a wrinkled SiO2@TiO2 architectural photocatalyst: New method of wrinkled shell for use of semiconductors in the visible light range and penicillin antibiotic degradation. AEJ - Alexandria Engineering Journal, 2022, 61, 9315-9334.	6.4	12
38	Improved anti-inflammatory and anticancer properties of celecoxib loaded zinc oxide and magnesium oxide nanoclusters: A molecular docking and density functional theory simulation. Arabian Journal of Chemistry, 2022, 15, 103568.	4.9	11
39	Biochemical and Physiological Characteristics of Photosynthesis in Plants of Two Calathea Species. International Journal of Molecular Sciences, 2018, 19, 704.	4.1	9
40	Microwaveâ€mediated noncatalytic synthesis of ethyl levulinate: A green process for fuel additive production. International Journal of Energy Research, 2020, 44, 1698-1708.	4.5	9
41	Microwave-Assisted Noncatalytic Esterification of Fatty Acid for Biodiesel Production: A Kinetic Study. Energies, 2020, 13, 2167.	3.1	9
42	Enhancing Astaxanthin Biosynthesis by Rhodosporidium toruloides Mutants and Optimization of Medium Compositions Using Response Surface Methodology. Processes, 2020, 8, 497.	2.8	9
43	Transcription Profile Analysis of Chlorophyll Biosynthesis in Leaves of Wild-Type and Chlorophyll b-Deficient Rice (Oryza sativa L.). Agriculture (Switzerland), 2021, 11, 401.	3.1	7
44	Neural-based modeling adsorption capacity of metal organic framework materials with application in wastewater treatment. Scientific Reports, 2022, 12, 4125.	3.3	7
45	Green process for fatty acid production from soybean oil through microwave-mediated autocatalytic synthesis. Chemical Engineering and Processing: Process Intensification, 2020, 147, 107782.	3.6	6
46	Plant defense in response to chewing insects: proteome analysis of Arabidopsis thaliana damaged by Plutella xylostella. Journal of Plant Interactions, 2018, 13, 30-36.	2.1	5
47	Solâ€gel synthesized lithium orthosilicate as a reusable solid catalyst for biodiesel production. International Journal of Energy Research, 2021, 45, 6239-6249.	4.5	5
48	The computational study of moisture effect on mechanical behavior of baghdadite matrix via molecular dynamics approach. Journal of Materials Research and Technology, 2021, 15, 2828-2836.	5.8	5
49	Evaluation of changes in the growth and chemical constituents of Anoectochilus formosanus Hayata grown under hydroponic conditions. Biotechnologia, 2018, 99, 375-383.	0.9	4
50	Extraction of cordycepic acid from the fruiting body of Cordyceps militaris (L.). Biotechnologia, 2019, 100, 219-226.	0.9	4
51	The responses of antioxidant system in bitter melon, sponge gourd, and winter squash under flooding and chilling stresses. AIP Conference Proceedings, 2018, , .	0.4	3
52	Chlorophyll biosynthesis and transcriptome profiles of chlorophyll b-deficient type 2b rice (Oryza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	3
53	Optimization of Phenolics Extraction from Strobilanthes cusia Leaves and their Antioxidant Activity. Pharmaceutical Chemistry Journal, 2022, 56, 374-380.	0.8	2
54	Chemical constituents, antioxidant, and anticancer activities of bee pollen from various floral sources in Taiwan. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2022, 50, 12644.	1.1	2

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55	Optimization of extraction of polysaccharides from fruiting body of Cordyceps militaris (L.) link using response surface methodology. AIP Conference Proceedings, 2018, , .	0.4	1
56	Changes in nutrient and heavy metal content levels of sawdust due to vermicomposting by Allomyrina dichotoma subsp. tunobosonis. Biotechnologia, 2019, 100, 111-114.	0.9	1
57	Temperature-mediated shifts in chlorophyll biosynthesis in leaves of chlorophyll b-lacking rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Overlo	1.1	0
58	Optimization of Phenolics Extraction from Strobilanthes cusia Leaves and Their Antioxidant Activity. Pharmaceutical Chemistry Journal, 0, , .	0.8	0