

Hui-Suan Ng

List of Publications by Year in descending order

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54
papers

1,366
citations

361413

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docs citations

56
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022, 287, 132369.	8.2	246
2	Recent advances on the sustainable approaches for conversion and reutilization of food wastes to valuable bioproducts. <i>Bioresource Technology</i> , 2020, 302, 122889.	9.6	144
3	Advances in production of bioplastics by microalgae using food waste hydrolysate and wastewater: A review. <i>Bioresource Technology</i> , 2021, 342, 125947.	9.6	89
4	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	8.2	54
5	Nutrients for Prevention of Macular Degeneration and Eye-Related Diseases. <i>Antioxidants</i> , 2019, 8, 85.	5.1	51
6	Recovery of <i>Bacillus cereus</i> cyclodextrin glycosyltransferase and recycling of phase components in an aqueous two-phase system using thermo-separating polymer. <i>Separation and Purification Technology</i> , 2012, 89, 9-15.	7.9	45
7	Recent development in the production strategies of microbial carotenoids. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 12.	3.6	45
8	Microalgae-based bioplastics: Future solution towards mitigation of plastic wastes. <i>Environmental Research</i> , 2022, 206, 112620.	7.5	40
9	Primary capture of cyclodextrin glycosyltransferase derived from <i>Bacillus cereus</i> by aqueous two phase system. <i>Separation and Purification Technology</i> , 2011, 81, 318-324.	7.9	36
10	Extractive bioconversion of cyclodextrins by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase in aqueous two-phase system. <i>Bioresource Technology</i> , 2013, 142, 723-726.	9.6	32
11	Primary recovery of a bacteriocin-like inhibitory substance derived from <i>Pediococcus acidilactici</i> Kp10 by an aqueous two-phase system. <i>Food Chemistry</i> , 2014, 151, 93-100.	8.2	32
12	Elucidating the impact of goethite-modified biochar on arsenic mobility, bioaccumulation in paddy rice (<i>Oryza sativa</i> L.) along with soil enzyme activities. <i>Chemical Engineering Research and Design</i> , 2022, 160, 958-967.	5.6	32
13	Purification of β -mannanase derived from <i>Bacillus subtilis</i> ATCC 11774 using ionic liquid as adjuvant in aqueous two-phase system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1055-1056, 104-112.	2.3	29
14	Recovery of mangostins from <i>Garcinia mangostana</i> peels with an aqueous micellar biphasic system. <i>Food and Bioproducts Processing</i> , 2017, 102, 233-240.	3.6	27
15	Recovery of intracellular ectoine from <i>Halomonas salina</i> cells with poly(propylene) glycol/salt aqueous biphasic system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 28-32.	5.3	25
16	Production, structure and morphology of exopolysaccharides yielded by submerged fermentation of <i>Antrodia cinnamomea</i> . <i>Carbohydrate Polymers</i> , 2019, 205, 271-278.	10.2	25
17	Single step purification of bromelain from <i>Ananas comosus</i> pulp using a polymer/salt aqueous biphasic system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 79, 158-162.	5.3	24
18	Enrichment of minor components from crude palm oil and palm-pressed mesocarp fibre oil via sequential adsorption-desorption strategy. <i>Industrial Crops and Products</i> , 2018, 113, 187-195.	5.2	23

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19	Curcumin Metabolite Tetrahydrocurcumin in the Treatment of Eye Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 212.	4.1	23
20	Aqueous biphasic system for the partial purification of <i>Bacillus subtilis</i> carboxymethyl cellulase. <i>Process Biochemistry</i> , 2017, 58, 276-281.	3.7	22
21	Recovery of <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using ionic liquid-based aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014, 138, 28-33.	7.9	21
22	Influence of freeze-drying and spray-drying preservation methods on survivability rate of different types of protectants encapsulated <i>Lactobacillus acidophilus</i> FTDC 3081. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 1913-1920.	1.3	20
23	An integration study of microalgae bioactive retention: From microalgae biomass to microalgae bioactives nanoparticle. <i>Food and Chemical Toxicology</i> , 2021, 158, 112607.	3.6	20
24	Direct recovery of <i>Bacillus subtilis</i> xylanase from fermentation broth with an alcohol/salt aqueous biphasic system. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 585-589.	2.2	18
25	Thermo-sensitive aqueous biphasic extraction of polyphenols from <i>Camellia sinensis</i> var. <i>assamica</i> leaves. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 79, 151-157.	5.3	16
26	Recent development of unconventional aqueous biphasic system: characteristics, mechanisms and applications. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 555-569.	9.0	16
27	Exploring the fermentation characteristics of a newly isolated marine bacteria strain, <i>Gordonia terrae</i> TWRH01 for carotenoids production. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 187-194.	2.2	16
28	Mangosteen xanthone \hat{I}^3 -mangostin exerts lowering blood glucose effect with potentiating insulin sensitivity through the mediation of AMPK/PPAR \hat{I}^3 . <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112333.	5.6	14
29	Extractive purification of recombinant thermostable lipase from fermentation broth of <i>Escherichia coli</i> using an aqueous polyethylene glycol impregnated resin system. <i>3 Biotech</i> , 2018, 8, 288.	2.2	13
30	Direct recovery of mangostins from <i>Garcinia mangostana</i> pericarps using cellulase-assisted aqueous micellar biphasic system with recyclable surfactant. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 507-513.	2.2	13
31	Partition efficiency of cytochrome c with alcohol/salt aqueous biphasic flotation system. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 237-241.	2.2	13
32	Extraction of fucoxanthin from <i>Chaetoceros calcitrans</i> by electropermeabilization-assisted liquid biphasic flotation system. <i>Journal of Chromatography A</i> , 2022, 1668, 462915.	3.7	12
33	Primary recovery of recombinant human serum albumin from transgenic <i>Oryza sativa</i> with a single-step aqueous biphasic system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 60-66.	5.3	11
34	Characterization of alcohol/salt aqueous two-phase system for optimal separation of gallic acids. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 537-542.	2.2	11
35	Enhancement of protein production using synthetic brewery wastewater by <i>Haematococcus pluvialis</i> . <i>Journal of Biotechnology</i> , 2022, 350, 1-10.	3.8	11
36	Integrated extractive disruption of <i>Gordonia terrae</i> cells with direct recovery of carotenoids using alcohol/salt aqueous biphasic system. <i>Separation and Purification Technology</i> , 2019, 223, 107-112.	7.9	10

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37	Primary purification of intracellular <i>Halomonas salina</i> ectoine using ionic liquids-based aqueous biphasic system. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 200-204.	2.2	10
38	Zerumbone-Loaded Nanostructured Lipid Carrier Induces Apoptosis in Human Colorectal Adenocarcinoma (Caco-2) Cell Line. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 294-302.	0.4	9
39	Partitioning behavior of recombinant lipase in <i>Escherichia coli</i> by ionic liquid-based aqueous two-phase systems. <i>RSC Advances</i> , 2016, 6, 82571-82580.	3.6	9
40	Efficiency of Ionic Liquids-Based Aqueous Two-phase Electrophoresis for Partition of Cytochrome c. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 376-386.	2.9	9
41	Primary capture of <i>Bacillus subtilis</i> xylanase from crude feedstock using alcohol/salt liquid biphasic flotation. <i>Biochemical Engineering Journal</i> , 2021, 165, 107835.	3.6	9
42	Exploring the additive bio-agent impacts upon ectoine production by <i>Halomonas salina</i> DSM5928T using corn steep liquor and soybean hydrolysate as nutrient supplement. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 195-199.	2.2	7
43	Incorporation of electric fields to ionic liquids-based aqueous biphasic system for enhanced recovery of extracellular <i>Kytococcus sedentarius</i> TWHKC01 keratinase. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 35-40.	5.3	6
44	Optimization of recovery of esterase from <i>Serratia marcescens</i> using combination of the solvent impregnated resin and aqueous two-phase extraction techniques. <i>Separation Science and Technology</i> , 2018, 53, 2952-2960.	2.5	5
45	Recovery efficiency of a hydrophilic ionic-liquid aqueous biphasic system for the primary purification of cytochrome c from simulated <i>Saccharomyces cerevisiae</i> fermentation broth. <i>Process Biochemistry</i> , 2020, 94, 110-115.	3.7	5
46	Efficiency of polymer/salt aqueous two-phase electrophoresis system for recovery of extracellular <i>Kytococcus sedentarius</i> TWHKC01 keratinase. <i>Process Biochemistry</i> , 2021, 100, 199-206.	3.7	4
47	Enhanced recovery of astaxanthin from recombinant <i>Kluyveromyces marxianus</i> with ultrasonication-assisted alcohol/salt aqueous biphasic system. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 513-518.	2.2	3
48	Efficacy of alcohol/sugar aqueous biphasic system on partition of bovine serum albumin. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	4.2	3
49	Stimulating mechanism of corn oil on biomass and polysaccharide production of <i>Pleurotus tuber-regium</i> mycelium. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 93-103.	7.5	3
50	Surfactant as an Additive for the Recovery of Potent Antioxidants from <i>Garcinia mangostana</i> Pericarps Using a Polymer/Salt Aqueous Biphasic System. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 273-283.	2.9	2
51	Extractive fermentation of <i>Kytococcus sedentarius</i> TWHKC01 using the aqueous biphasic system for direct recovery of keratinase. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 137, 104232.	5.3	2
52	Extraction behaviors of aqueous PEG impregnated resin system in terms of impregnation stability and recovery via protein impregnated resin interactions on bovine serum albumin. <i>PeerJ</i> , 2021, 9, e11920.	2.0	1
53	Evaluation of Aqueous Biphasic Electrophoresis System Based on Halide-Free Ionic Liquids for Direct Recovery of Keratinase. <i>Marine Drugs</i> , 2021, 19, 463.	4.6	0
54	Evaluation of ionic liquids/salt aqueous biphasic flotation system on recovery of <i>Kytococcus sedentarius</i> TWHKC01 keratinase from crude feedstock. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, , 104198.	5.3	0