

Hui-Suan Ng

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,366
citations

361413

20
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361022

35
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56
all docs

56
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 | 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 |
| 3 | 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 |
| 4 | Microalgae-based bioplastics: Future solution towards mitigation of plastic wastes. <i>Environmental Research</i> , 2022, 206, 112620. | 7.5 | 40 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Efficacy of alcohol/sugar aqueous biphasic system on partition of bovine serum albumin. <i>Bioresources and Bioprocessing</i> , 2021, 8, . | 4.2 | 3 |
| 18 | Recent development in the production strategies of microbial carotenoids. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 12. | 3.6 | 45 |

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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 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Efficiency of Ionic Liquidsâ€‘Based Aqueous Two-phase Electrophoresis for Partition of Cytochrome c. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 376-386. | 2.9 | 9 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Recent development of unconventional aqueous biphasic system: characteristics, mechanisms and applications. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 555-569. | 9.0 | 16 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Nutrients for Prevention of Macular Degeneration and Eye-Related Diseases. <i>Antioxidants</i> , 2019, 8, 85. | 5.1 | 51 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | Recovery of mangostins from <i>Garcinia mangostana</i> peels with an aqueous micellar biphasic system. <i>Food and Bioprocess Technology</i> , 2017, 102, 233-240. | 3.6 | 27 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |