

Yu-Kaung Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

771
citations

16
h-index

25
g-index

51
ext. papers

1,063
ext. citations

5.9
avg, IF

4.77
L-index

#	Paper	IF	Citations
49	Removal of Ionic Dyes by Nanofiber Membrane Functionalized with Chitosan and Egg White Proteins: Membrane Preparation and Adsorption Efficiency.. <i>Membranes</i> , 2022 , 12,	3.8	8
48	Direct recovery of malate dehydrogenase from highly viscous yeast cell homogenate by a fluidized bed contactor equipped with an agitator. <i>Biochemical Engineering Journal</i> , 2022 , 183, 108461	4.2	
47	Antibacterial efficacy of poly(hexamethylene biguanide) immobilized on chitosan/dye-modified nanofiber membranes. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 508-520	7.9	1
46	Antibacterial efficacy of quaternized chitosan/poly (vinyl alcohol) nanofiber membrane crosslinked with blocked diisocyanate. <i>Carbohydrate Polymers</i> , 2021 , 262, 117910	10.3	13
45	Removal of calcium ions from aqueous solution by bovine serum albumin (BSA)-modified nanofiber membrane: Dynamic adsorption performance and breakthrough analysis. <i>Biochemical Engineering Journal</i> , 2021 , 171, 108016	4.2	9
44	Purification of lysozyme from chicken egg white by high-density cation exchange adsorbents in stirred fluidized bed adsorption system. <i>Food Chemistry</i> , 2021 , 343, 128543	8.5	4
43	Fabrication of bio-based polyamide 56 and antibacterial nanofiber membrane from cadaverine. <i>Chemosphere</i> , 2021 , 266, 128967	8.4	14
42	Removal of soluble microbial products and dyes using heavy metal wastes decorated on eggshell. <i>Chemosphere</i> , 2021 , 270, 128615	8.4	18
41	Egg white lysozyme purification by a stirred cell contactor equipped with a weak ion-exchange nanofiber membrane: Process development and scale-up. <i>Food Chemistry</i> , 2021 , 338, 128144	8.5	3
40	Removal of protein wastes by cylinder-shaped NaY zeolite adsorbents decorated with heavy metal wastes. <i>International Journal of Biological Macromolecules</i> , 2021 , 185, 761-772	7.9	9
39	Adsorption and purification performance of lysozyme from chicken egg white using ion exchange nanofiber membrane modified by ethylene diamine and bromoacetic acid. <i>Food Chemistry</i> , 2021 , 358, 129914	8.5	4
38	Direct recovery of enhanced green fluorescent protein from unclarified Escherichia coli homogenate using ion exchange chromatography in stirred fluidized bed. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 4455-4465	7.9	3
37	Antibacterial efficacy of chitosan- and poly(hexamethylene biguanide)-immobilized nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 844-854	7.9	20
36	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. <i>Food Chemistry</i> , 2020 , 327, 127038	8.5	5
35	Crosslinked on novel nanofibers with thermophilic carbonic anhydrase for carbon dioxide sequestration. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 930-938	7.9	10
34	Feasibility assessment of removal of heavy metals and soluble microbial products from aqueous solutions using eggshell wastes. <i>Clean Technologies and Environmental Policy</i> , 2020 , 22, 773-786	4.3	28
33	Removal of cationic dye waste by nanofiber membrane immobilized with waste proteins. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 3873-3884	7.9	26

32	Batch and dynamic adsorption of lysozyme from chicken egg white on dye-affinity nanofiber membranes modified by ethylene diamine and chitosan. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1711-1724	7.9	12
31	Evaluation of dynamic binding performance of C-phycoerythrin and allophycocyanin in <i>Spirulina platensis</i> algae by aminated polyacrylonitrile nanofiber membrane. <i>Biochemical Engineering Journal</i> , 2020 , 161, 107686	4.2	11
30	Removal of dye waste by weak cation-exchange nanofiber membrane immobilized with waste egg white proteins. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2494-2507	7.9	3
29	Highly efficient dye removal and lysozyme purification using strong and weak cation-exchange nanofiber membranes. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1410-1421	7.9	14
28	Optimization of three-phase fluidized bed cell disruptor for the release of alcohol dehydrogenase from baker's yeast. <i>Chemical Engineering Journal</i> , 2020 , 386, 121224	14.7	1
27	ARduino-pH Tracker and screening platform for characterization of recombinant carbonic anhydrase in <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2019 , 35, e2834	2.8	12
26	Purification of lysozyme from chicken egg white using nanofiber membrane immobilized with Reactive Orange 4 dye. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 458-468	7.9	26
25	Exploring useful fermentation strategies for the production of hydroxyectoine with a halophilic strain, <i>Halomonas salina</i> BCRC 17875. <i>Journal of Bioscience and Bioengineering</i> , 2019 , 128, 332-336	3.3	7
24	Liquid Biphasic Electric Partitioning System as a Novel Integration Process for Betacyanins Extraction From Red-Purple Pitaya and Antioxidant Properties Assessment. <i>Frontiers in Chemistry</i> , 2019 , 7, 201	5	8
23	Enhancement of C-phycoerythrin purity using negative chromatography with chitosan-modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 615-628	7.9	9
22	Extraction of agar from <i>Eucheuma cottonii</i> and <i>Gelidium amansii</i> seaweeds with sonication pretreatment using autoclaving method. <i>Journal of Oceanology and Limnology</i> , 2019 , 37, 871-880	1.5	5
21	Rapid purification of lysozyme by mixed-mode adsorption chromatography in stirred fluidized bed. <i>Food Chemistry</i> , 2019 , 272, 619-627	8.5	15
20	Rapid and efficient recovery of C-phycoerythrin from highly turbid <i>Spirulina platensis</i> algae using stirred fluidized bed ion exchange chromatography. <i>Separation and Purification Technology</i> , 2019 , 209, 636-645	8.3	19
19	Antibacterial activity of quaternized chitosan modified nanofiber membrane. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 569-577	7.9	66
18	A simple method for cell disruption by immobilization of lysozyme on the extrudate-shaped Na-Y zeolite: Recirculating packed bed disruption process. <i>Biochemical Engineering Journal</i> , 2019 , 141, 210-216	4.2	10
17	Production and characterization of ectoine using a moderately halophilic strain <i>Halomonas salina</i> BCRC17875. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 578-584	3.3	25
16	A process for simultaneously achieving phenol biodegradation and polyhydroxybutyrate accumulation using <i>Cupriavidus taiwanensis</i> 187. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	4
15	Efficient carbon dioxide sequestration by using recombinant carbonic anhydrase. <i>Process Biochemistry</i> , 2018 , 73, 38-46	4.8	22

14	Dye-Affinity Nanofibrous Membrane for Adsorption of Lysozyme: Preparation and Performance Evaluation. <i>Food Technology and Biotechnology</i> , 2018 , 56, 40-50	2.1	18
13	Direct recovery of malate dehydrogenase from highly turbid yeast cell homogenate using dye-ligand affinity chromatography in stirred fluidized bed. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1100-1101, 65-75	3.2	8
12	Isolation of C-phycoerythrin from <i>Spirulina platensis</i> microalga using ionic liquid based aqueous two-phase system. <i>Bioresource Technology</i> , 2018 , 270, 320-327	11	36
11	A rapid and efficient technique for direct extraction of C-phycoerythrin from highly turbid <i>Spirulina platensis</i> algae using hydrophobic interaction chromatography in stirred fluidized bed. <i>Biochemical Engineering Journal</i> , 2018 , 140, 47-56	4.2	12
10	Construction and co-cultivation of two mutant strains harboring key precursor genes to produce prodigiosin. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 783-789	3.3	4
9	Production of bioethanol from Napier grass via simultaneous saccharification and co-fermentation in a modified bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 184-188	3.3	14
8	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bio-Based Chemicals. <i>Biotechnology Journal</i> , 2017 , 12, 1600644	5.6	109
7	Characterization of BSA adsorption on mixed mode adsorbent. <i>Biochemical Engineering Journal</i> , 2007 , 35, 56-65	4.2	27
6	Equilibrium study of immobilized lysozyme on the extrudate-shaped NaY zeolite. <i>Biochemical Engineering Journal</i> , 2006 , 28, 1-9	4.2	23
5	Direct recovery of alcohol dehydrogenase from unclarified yeast cell homogenate by IDEBAC using an improved scheme for elution. <i>Biochemical Engineering Journal</i> , 2006 , 30, 1-10	4.2	6
4	Method development for direct recovery of lysozyme from highly crude chicken egg white by stirred fluidized bed technique. <i>Biochemical Engineering Journal</i> , 2006 , 30, 63-75	4.2	29
3	Direct recovery of clotting factor IX from unclarified human plasma by expanded bed ion exchange chromatography. <i>Biochemical Engineering Journal</i> , 2006 , 30, 138-146	4.2	5
2	Kinetic study of immobilized lysozyme on the extrudate-shaped NaY zeolite. <i>Process Biochemistry</i> , 2006 , 41, 1864-1874	4.8	26
1	Simple two-step procedure for purification of cloned small sialidase from unclarified <i>E. coli</i> feedstocks. <i>Enzyme and Microbial Technology</i> , 1998 , 23, 204-210	3.8	9