

Dan Cascaval

List of Publications by Year in descending order

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64
papers

495
citations

759055

12
h-index

752573

20
g-index

65
all docs

65
docs citations

65
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization methodology based on neural networks and self-adaptive differential evolution algorithm applied to an aerobic fermentation process. <i>Applied Soft Computing Journal</i> , 2013, 13, 222-238.	4.1	50
2	Fumaric acid: production and separation. <i>Biotechnology Letters</i> , 2019, 41, 47-57.	1.1	37
3	Modeling of oxygen mass transfer in the presence of oxygen-vectors using neural networks developed by differential evolution algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 1214-1226.	4.3	31
4	New extraction techniques on bioseparations: 1. Reactive extraction. <i>Hemijaska Industrija</i> , 2004, 58, 375-386.	0.3	31
5	Selective Pertraction of Carboxylic Acids Obtained by Citric Fermentation. <i>Separation Science and Technology</i> , 2005, 39, 1907-1925.	1.3	29
6	Enhancement of oxygen mass transfer in stirred bioreactors using oxygen-vectors 2. <i>Propionibacterium shermanii</i> broths. <i>Bioprocess and Biosystems Engineering</i> , 2005, 27, 263-271.	1.7	25
7	6-Aminopenicillanic acid production in stationary basket bioreactor with packed bed of immobilized penicillin amidase. Penicillin G mass transfer and consumption rate under internal diffusion limitation. <i>Biochemical Engineering Journal</i> , 2012, 69, 113-122.	1.8	18
8	Enhancement of ergosterol production by <i>Saccharomyces cerevisiae</i> in batch and fed-batch fermentation processes using n-dodecane as oxygen-vector. <i>Biochemical Engineering Journal</i> , 2018, 131, 70-76.	1.8	18
9	Comparative analysis of mixing distribution in aerobic stirred bioreactor for simulated yeasts and fungus broths. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 34, 35-47.	1.4	17
10	Mupirocin: applications and production. <i>Biotechnology Letters</i> , 2019, 41, 495-502.	1.1	16
11	Succinic acid fermentation in a stationary-basket bioreactor with a packed bed of immobilized <i>Actinobacillus succinogenes</i> : 1. Influence of internal diffusion on substrate mass transfer and consumption rate. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 877-888.	1.4	15
12	Green Chemistry in the Extraction of Natural Dyes from Colored Food Waste, for Dyeing Protein Textile Materials. <i>Polymers</i> , 2021, 13, 3867.	2.0	15
13	Comparative analysis of oxygen transfer rate distribution in stirred bioreactor for simulated and real fermentation broths. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1449-1466.	1.4	13
14	External and Internal Glucose Mass Transfers in Succinic Acid Fermentation with Stirred Bed of Immobilized <i>Actinobacillus succinogenes</i> under Substrate and Product Inhibitions. <i>Journal of Microbiology and Biotechnology</i> , 2011, 21, 1257-1263.	0.9	12
15	INFLUENCE OF SOLVENT POLARITY ON INTERFACIAL MECHANISM AND EFFICIENCY OF SUCCINIC ACID REACTIVE EXTRACTION WITH TRI-N-OCTYLAMINE. <i>Chemical Engineering Communications</i> , 2013, 200, 701-717.	1.5	11
16	Separation of fumaric acid by amine extraction without and with 1-octanol as phase modifier. <i>Separation and Purification Technology</i> , 2019, 227, 115724.	3.9	11
17	Comparative Study on Rosmarinic Acid Separation by Reactive Extraction with Amberlite LA-2 and D2EHPA. 1. Interfacial Reaction Mechanism and Influencing Factors. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13785-13794.	1.8	10
18	Selective Separation of Cinnamic and p-Methoxycinnamic Acids by Facilitated Pertraction. <i>Separation Science and Technology</i> , 2007, 42, 3727-3740.	1.3	9

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19	Artificial Neural Network Modeling of Mixing Efficiency in a Split-Cylinder Gas-Lift Bioreactor for <i>Yarrowia lipolytica</i> Suspensions. <i>Chemical Engineering Communications</i> , 2016, 203, 1600-1608.	1.5	9
20	The influence of pH and solvent polarity on the mechanism and efficiency of folic acid extraction with Amberlite LA-2. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2005, 11, 63-68.	0.4	9
21	Separation of p-aminobenzoic acid by reactive extraction: 1: Mechanism and influencing factors. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2008, 14, 159-165.	0.4	8
22	BIOREACTORS WITH STIRRED BED OF IMMOBILIZED CELLS 1. STUDIES ON MIXING EFFICIENCY. <i>Environmental Engineering and Management Journal</i> , 2007, 6, 101-110.	0.2	8
23	Selective Separation of Carboxylic Acids Obtained by Succinic Acid Fermentation Using Facilitated Pertraction. <i>Solvent Extraction and Ion Exchange</i> , 2013, 31, 171-183.	0.8	6
24	Fumaric acid production by <i>Rhizopus oryzae</i> in presence of n-dodecane as oxygen-vector. <i>Biochemical Engineering Journal</i> , 2020, 164, 107795.	1.8	6
25	Enhanced growth and Î²-galactosidase production on <i>Escherichia coli</i> using oxygen vectors. <i>3 Biotech</i> , 2020, 10, 298.	1.1	6
26	Studies on oxygen mass transfer in stirred bioreactors 2: Suspensions of bacteria, yeasts and fungus. <i>Hemijaska Industrija</i> , 2003, 57, 276-287.	0.3	6
27	Modeling of mixing in stirred bioreactors 4. mixing time for aerated bacteria, yeasts and fungus broths. <i>Hemijaska Industrija</i> , 2004, 58, 128-137.	0.3	6
28	Rehabilitation of Patients with Moderate Knee Osteoarthritis Using Hyaluronic Acid Viscosupplementation and Physiotherapy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3165.	1.3	6
29	Facilitated Pertraction of p-Aminobenzoic Acid with Amberlite LA-2 in Presence of 1-Octanol. <i>Separation Science and Technology</i> , 2010, 45, 1440-1447.	1.3	4
30	Fractionation of Carboxylic Acids Mixture Obtained by <i>P. acidipropionici</i> Fermentation Using Pertraction with tri-n-Octylamine and 1-Octanol. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2685-2692.	1.8	4
31	Biodegradation of lipids from olive oil mill wastewaters in a stationary basket bioreactor with immobilized <i>Bacillus</i> spp. cells – Influence of internal diffusion. <i>Water Science and Technology</i> , 2012, 65, 920-926.	1.2	3
32	Comparative study on facilitated pertraction of succinic acid using TRI-n-Octylamine without and with 1-Octanol. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 936-943.	0.9	3
33	Production of succinic acid in basket and mobile bed bioreactors – Comparative analysis of substrate mass transfer aspects. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 513-520.	1.7	3
34	Distribution of Mixing Efficiency in a Split-Cylinder Gas-Lift Bioreactor with Immobilized <i>Yarrowia Lipolytica</i> Cells Used for Olive Oil Mill Wastewater Treatment. <i>Chemical Engineering Communications</i> , 2016, 203, 666-675.	1.5	3
35	The effect of n-dodecane addition on oxygen transfer in stirred bioreactors for <i>Saccharomyces cerevisiae</i> broths. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2005, 11, 1-9.	0.4	3
36	EFFECT OF INTERNAL DIFFUSION ON BIOETHANOL PRODUCTION IN A BIOREACTOR WITH YEAST CELLS IMMOBILIZED ON MOBILE BEDS. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 675-680.	0.2	3

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37	Comparative analysis of mixing efficiency and distribution induced by radial impellers in bioreactors with stirred bed of immobilized cells. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 47-64.	0.4	2
38	Distribution of mixing efficiency in a split-cylinder gas-lift bioreactor for <i>Yarrowia lipolytica</i> suspensions. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 18-28.	0.9	2
39	Separation of rosmarinic acid by facilitated pertraction. <i>Food and Bioproducts Processing</i> , 2015, 94, 621-628.	1.8	2
40	Neuroevolutive Algorithms Applied for Modeling Some Biochemical Separation Processes. <i>Methods in Molecular Biology</i> , 2021, 2190, 115-138.	0.4	2
41	Modeling of mixing for stirred bioreactors: 3. Mixing time for aerated simulated broths. <i>Hemijaska Industrija</i> , 2002, 56, 506-513.	0.3	2
42	Modeling of the selective pertraction of carboxylic acids obtained by citric fermentation. <i>Hemijaska Industrija</i> , 2004, 58, 97-103.	0.3	2
43	STUDY ON THE MIXING EFFICIENCY IN A BASKET BIOREACTOR WITH IMMOBILIZED YEASTS CELLS. <i>Environmental Engineering and Management Journal</i> , 2011, 10, 711-716.	0.2	2
44	Bioreactors with stirred bed of immobilized cells, 2. Studies on distribution of mixing efficiency. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2007, 13, 135-150.	0.4	2
45	Fractionation of dicarboxylic acids produced by <i>Rhizopus oryzae</i> using reactive extraction. <i>Scientific Reports</i> , 2022, 12, 2020.	1.6	2
46	Improved Production of α -Amylase by <i>Aspergillus terreus</i> in Presence of Oxygen-Vector. <i>Fermentation</i> , 2022, 8, 271.	1.4	2
47	Study on Biomass Impact on the Reactive Extraction of Succinic Acid from <i>Actinobacillus succinogenes</i> Suspensions. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10261-10268.	1.8	1
48	ENGINEERING ASPECTS OF PENICILLIN G TRANSFER AND CONVERSION TO 6-AMINOPENICILLANIC ACID IN A BIOREACTOR WITH A MOBILE BED OF IMMOBILIZED PENICILLIN AMIDASE. <i>Chemical Engineering Communications</i> , 2014, 201, 1568-1581.	1.5	1
49	Synergic Extraction and Transport of Folic Acid through Liquid Membranes. <i>Solvent Extraction and Ion Exchange</i> , 2015, 33, 313-328.	0.8	1
50	Effect of bed configuration of immobilized biocatalysts on penicillin G hydrolysis efficiency. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 216-221.	1.2	1
51	DIRECT SEPARATION OF PROPIONIC ACID FROM <i>Propionibacterium acidipropionici</i> BROTHS BY REACTIVE EXTRACTION 1. INTERFACIAL MECHANISM AND INFLUENCING FACTORS. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 709-716.	0.2	1
52	GREEN TECHNOLOGY FOR 6-AMINOPENICILLANIC ACID PRODUCTION - STUDY OF PENICILLIN G HYDROLYSIS IN A BIOREACTOR WITH MOBILE BED OF IMMOBILIZED PENICILLIN AMIDASE UNDER SUBSTRATE INHIBITION. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 2261-2266.	0.2	1
53	Direct Extraction of Fumaric Acid from <i>Rhizopus oryzae</i> Suspensions – Interfacial Mass Transfer. <i>Biomolecules</i> , 2021, 11, 1563.	1.8	1
54	Fractionation of the mixture obtained by the enzymatic hydrolysis of penicillin G. <i>Hemijaska Industrija</i> , 2002, 56, 386-391.	0.3	1

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55	Rutin extraction from hardhay flowers - Hyperici herba and underbrush fruits - Hippophaes fructus. Hemijska Industrija, 2003, 57, 114-119.	0.3	1
56	VALORIZATION OF MICROALGAL BIOMASS. Environmental Engineering and Management Journal, 2018, 17, 841-854.	0.2	1
57	CORRELATION BETWEEN AERATION AND ERGOSTEROL PRODUCTION BY YEASTS. Environmental Engineering and Management Journal, 2019, 18, 2747-2756.	0.2	1
58	Synergic Effects on Pantothenic Acid Extraction and Transport through Liquid Membranes. Bulletin of the Chemical Society of Japan, 2016, 89, 33-41.	2.0	0
59	Diffusional effects on anaerobic biodegradation of pyridine in a stationary basket bioreactor with immobilized <i>Bacillus</i> spp. cells. Environmental Technology (United Kingdom), 2018, 39, 240-252.	1.2	0
60	Influence of solvent polarity on reactive extraction of fumaric acid with Amberlite LA-2 from viscous solutions. Separation Science and Technology, 0, , 1-9.	1.3	0
61	New extraction techniques on bioseparations: 2. Pertraction, direct extraction. Hemijska Industrija, 2004, 58, 535-547.	0.3	0
62	ANALYSIS OF DISTRIBUTION OF OXYGEN TRANSFER RATE IN STIRRED BIOREACTORS FOR BACTERIAL BROTHS. Environmental Engineering and Management Journal, 2009, 8, 17-27.	0.2	0
63	ANALYSIS OF DISTRIBUTION OF OXYGEN TRANSFER RATE IN STIRRED BIOREACTORS FOR FUNGUS BROTHS 1. SUSPENSIONS OF P. CHRYSOGENUM FREE MYCELIA. Environmental Engineering and Management Journal, 2010, 9, 257-267.	0.2	0
64	MODELING OF SELECTIVE PERTRACTION OF CARBOXYLIC ACIDS PRODUCED BY <i>Actinobacillus succinogenes</i> FERMENTATION. Environmental Engineering and Management Journal, 2012, 11, 1901-1906.	0.2	0