Endre Nagy

List of Publications by Year
in descending order

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76	1,036	516215 16	454577 30
papers	citations	h-index	g-index

79	79	79	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of oxygen mass transfer rate in the presence of nanosized particles. Chemical Engineering Science, 2007, 62, 7391-7398.	1.9	140
2	Removal of zinc and nickel ions by complexationâ€“membrane filtration process from industrial wastewater. Desalination, 2009, 240, 218-226.	4.0	123
3	A general, resistance-in-series, salt- and water flux models for forward osmosis and pressure-retarded osmosis for energy generation. Journal of Membrane Science, 2014, 460, 71-81.	4.1	82
4	D,L-lactic acid and D,L-alanine enantioseparation by membrane process. Desalination, 2002, 148, 193-198.	4.0	64
5	Improvement of chymotrypsin enzyme stability as single enzyme nanoparticles. Chemical Engineering Science, 2009, 64, 1053-1060.	1.9	48
6	Analysis of energy saving by combination of distillation and pervaporation for biofuel production. Chemical Engineering and Processing: Process Intensification, 2015, 98, 86-94.	1.8	34
7	Membrane mass transport by nanofiltration: Coupled effect of the polarization and membrane layers. Journal of Membrane Science, 2011, 368, 215-222.	4.1	33
8	Effect of fouling on performance of pressure retarded osmosis (PRO) and forward osmosis (FO). Journal of Membrane Science, 2018, 565, 450-462.	4.1	31
9	Three-phase mass transfer: Improved pseudo-homogeneous model. AICHE Journal, 1995, 41, 23-34.	1.8	30
10	Three-phase mass transfer: One-dimensional heterogeneous model. Chemical Engineering Science, 1995, 50, 827-836.	1.9	29
11	Lactic acid enantioseparation by means of porous ceramic disc and hollow fiber organic membrane. Separation and Purification Technology, 2005, 41, 299-304.	3.9	29
12	Mass transport through biocatalytic membrane reactor. Desalination, 2009, 245, 422-436.	4.0	24
13	Basic equations of mass transfer through biocatalytic membrane layer. Asia-Pacific Journal of Chemical Engineering, 2009, 4, 270-278.	0.8	23
14	Nonlinear, coupled mass transfer through a dense membrane. Desalination, 2004, 163, 345-354.	4.0	22
15	Binary, coupled mass transfer with variable diffusivity through cylindrical dense membrane. Journal of Membrane Science, 2006, 274, 159-168.	4.1	21
16	Coupled effect of the membrane properties and concentration polarization in pervaporation: Unified mass transport model. Separation and Purification Technology, 2010, 73, 194-201.	3.9	19
17	Mass Transfer through a Convection Flow Catalytic Membrane Layer with Dispersed Nanometer-Sized Catalyst. Industrial & Engineering Chemistry Research, 2010, 49, 1057-1062.	1.8	16
18	Stabilization of the Cellulase Enzyme Complex as Enzyme Nanoparticle. Applied Biochemistry and Biotechnology, 2012, 168, 1372-1383.	1.4	16

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19	Improvement of the energy generation by pressure retarded osmosis. Energy, 2016, 116, 1323-1333.	4.5	16
20	Three-Phase Mass Transfer:Â Effect of the Size Distribution. Industrial & Engineering Chemistry Research, 2003, 42, 5363-5372.	1.8	15
21	Mass Transfer through a Dense, Polymeric, Catalytic Membrane Layer with Dispersed Catalystâ€. Industrial & Engineering Chemistry Research, 2007, 46, 2295-2306.	1.8	14
22	Description of the diffusiveâ€“convective mass transport in a hollow-fiber biphasic biocatalytic membrane reactor. Journal of Membrane Science, 2015, 482, 144-157.	4.1	14
23	Analysis of mass transfer in hollow-fiber membranes. Desalination, 2002, 145, 147-152.	4.0	13
24	Mass Transfer through a Biocatalytic Membrane Reactor. Industrial & Engineering Chemistry Research, 2012, 51, 1635-1646.	1.8	13
25	Mass Transport Through a Membrane Layer. , 2019, , 21-68.		13
26	The Need for Accurate Osmotic Pressure and Mass Transfer Resistances in Modeling Osmotically Driven Membrane Processes. Membranes, 2021, 11, 128.	1.4	12
27	Stabilization of activity of cellulase and hemicellulase enzymes by covering with polyacrylamide layer. Chemical Engineering and Processing: Process Intensification, 2015, 95, 143-150.	1.8	11
28	The effect of the concentration polarization and the membrane layer mass transport on membrane separation. Desalination and Water Treatment, 2010, 14, 220-226.	1.0	8
29	Nanofiltration. , 2019, , 417-428.		8
30	Mass transport through anisotropic membrane layer. Desalination, 2009, 240, 54-63.	4.0	7
31	On Mass Transport Through a Membrane Layer. , 2012, , 1-34.		7
32	Nanofiltration. , 2012, , 249-266.		7
33	Thermoresponsive Poly(N,N-diethylacrylamide-co-glycidyl methacrylate) Copolymers and Its Catalytically Active Î±-Chymotrypsin Bioconjugate with Enhanced Enzyme Stability. Polymers, 2021, 13, 987.	2.0	7
34	Survey on Biocatalytic Membrane Reactor and Membrane Aerated Biofilm Reactor. Current Organic Chemistry, 2017, 21, .	0.9	7
35	2,4-Dichlorophenol Enzymatic Removal and Its Kinetic Study Using Horseradish Peroxidase Crosslinked to Nano Spray-Dried Poly(Lactic-Co-Glycolic Acid) Fine Particles. Journal of Microbiology and Biotechnology, 2017, 27, 768-774.	0.9	6
36	Convective and diffusive mass transport through anisotropic, capillary membrane. Chemical Engineering and Processing: Process Intensification, 2010, 49, 716-721.	1.8	5

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37	Separate Expression of Polarization Modulus and Enrichment by Mass Transport Parameters for Membrane Gas Separation. Industrial & Engineering Chemistry Research, 2013, 52, 10441-10449.	1.8	5
38	Forward Osmosis. , 2019, , 447-456.		5
39	Reverse Osmosis. , 2019, , 497-503.		5
40	Study of Prepared Î±-Chymotrypsin as Enzyme Nanoparticles and of Biocatalytic Membrane Reactor. Catalysts, 2020, 10, 1454.	1.6	5
41	Analysis of Mass Transport through Anisotropic, Catalytic/Bio-Catalytic Membrane Reactors. Catalysts, 2019, 9, 358.	1.6	4
42	Mathematical Modeling of Biochemical Membrane Reactors. , 0, , 309-334.		3
43	Nanofiltration of uncharged solutes: simultaneous effect of the polarization and membrane layers on separation. Desalination and Water Treatment, 2011, 34, 70-74.	1.0	3
44	Molecular Diffusion. , 2012, , 35-44.		3
45	Pressure-Retarded Osmosis (PRO) Process. , 2019, , 505-531.		3
46	Diffusive Plus Convective Mass Transport Through Catalytic Membrane Layer with Dispersed Nanometer-Sized Catalyst. International Journal of Composite Materials, 2012, 2, 79-91.	0.3	3
47	Pervaporation. , 2012, , 267-291.		2
48	Single Haemoglobin Nanocapsules as Test Materials for Artificial Blood. Periodica Polytechnica: Chemical Engineering, 2014, 58, 11-16.	0.5	2
49	Modelling and Prediction of Renewable Energy Generation by Pressure Retarded Osmosis. Computer Aided Chemical Engineering, 2014, 33, 1105-1110.	0.3	2
50	From â€œBlack Boxâ€•to a Real Description of Overall Mass Transport through Membrane and Boundary Layers. Membranes, 2019, 9, 18.	1.4	2
51	Membrane Gas Separation. , 2019, , 457-481.		2
52	Diffusive Plus Convective Mass Transport, Accompanied by Biochemical Reaction, Across Capillary Membrane. Catalysts, 2020, 10, 1115.	1.6	2
53	On the three-phase mass transfer with solid particles adhered to the gas-liquid interface. Open Chemistry, 2003, 1, 160-177.	1.0	1
54	Advances in membrane technology for the treatment and reuse of food processing wastewater. , 2008, , 663-699.		1

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55	Mass Transport Through Biocatalytic Membrane Reactors. , 2008, , .		1
56	Diffusive Plus Convective Mass Transport Through a Plane Membrane Layer. , 2012, , 121-156.		1
57	Transport of Fluid Phase in a Capillary Membrane. , 2012, , 177-192.		1
58	Molecular Diffusion. , 2019, , 69-90.		1
59	Diffusive Plus Convective Mass Transport Through a Plane Membrane Layer. , 2019, , 185-225.		1
60	Membrane Bioreactor. , 2019, , 381-415.		1
61	Pervaporation. , 2019, , 429-445.		1
62	Study of Pressure Retarded Osmosis Process in Hollow Fiber Membrane: Cylindrical Model for Description of Energy Production. Energies, 2022, 15, 3558.	1.6	1
63	Diffusion Accompanied by Chemical Reaction Through a Plane Sheet. , 2012, , 81-120.		0
64	Diffusion in a Cylindrical Membrane Layer. , 2012, , 157-175.		0
65	Diffusion Through a Plane Membrane Layer. , 2012, , 45-80.		0
66	Membrane Bioreactor. , 2012, , 213-247.		0
67	Overall mass transfer rates during pervaporation: effect of the convective velocity on the separation. Desalination and Water Treatment, 2014, 52, 3455-3465.	1.0	0
68	Diffusion Through a Plane Membrane Layer. , 2019, , 91-118.		0
69	Diffusive Plus Convective Mass Transport With Chemical Reaction Through a Plane Membrane Layer. , 2019, , 227-283.		0
70	Diffusion in a Cylindrical Membrane Layer. , 2019, , 285-315.		0
71	Mass Transport in the Presence of a Fouling Layer. , 2019, , 317-336.		0
72	Transport of Fluid Phase in a Capillary Membrane. , 2019, , 347-367.		0

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73	Diffusion Accompanied by Chemical Reaction Through a Plane Sheet. , 2019, , 119-183.		0
74	Comparison of D,L-Mandelic Acid Resolution on Zeolite and Silica Supported Pirkle-Type Chiral Stationary Phases. Mikrochimica Acta, 2000, 134, 205-213.	2.5	0
75	Transport phenomena in ultrafiltration/microfiltration membranes. , 2022, , 25-47.		0
76	Mass transport through capillary, biocatalytic membrane reactor. , 2022, , 281-307.		0