

Myungwan Han

List of Publications by Year in descending order

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38
papers

655
citations

687335

13
h-index

610883

24
g-index

38
all docs

38
docs citations

38
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub- and supercritical glycolysis of polyethylene terephthalate (PET) into the monomer bis(2-hydroxyethyl) terephthalate (BHET). <i>Polymer Degradation and Stability</i> , 2010, 95, 1686-1693.	5.8	133
2	Metal-Oxide-Doped Silica Nanoparticles for the Catalytic Glycolysis of Polyethylene Terephthalate. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 824-828.	0.9	67
3	Kinetics of Polycarbonate Glycolysis in Ethylene Glycol. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 685-691.	3.7	53
4	Depolymerization of PET Bottle via Methanolysis and Hydrolysis. , 2019, , 85-108.		51
5	Kinetics of Polycarbonate Methanolysis by a Consecutive Reaction Model. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6591-6599.	3.7	43
6	Study of the structural characteristics of a divided wall column using the sloppy distillation arrangement. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 348-356.	2.7	37
7	Control of high-purity distillation column using a nonlinear wave theory. <i>AIChE Journal</i> , 1993, 39, 787-796.	3.6	36
8	A nonlinear profile observer using tray temperatures for high-purity binary distillation column control. <i>Chemical Engineering Science</i> , 2000, 55, 807-816.	3.8	28
9	Startup of Distillation Columns Using Profile Position Control Based on a Nonlinear Wave Model. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1565-1574.	3.7	27
10	Operation of divided wall column with vapor sidedraw using profile position control. <i>Journal of Process Control</i> , 2009, 19, 932-941.	3.3	21
11	Optimization of an Axial Catalyst Profile in Methane Dry Reformer: Suppression of Coke Formation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17433-17444.	3.7	21
12	Multivariable control of double-effect distillation configurations. <i>Journal of Process Control</i> , 1996, 6, 247-253.	3.3	18
13	Chemical Recycling of Poly(Ethylene Terephthalate) Using a New Hybrid Process. <i>Journal of Chemical Engineering of Japan</i> , 2008, 41, 923-928.	0.6	17
14	Entrainer-Enhanced Reactive Distillation for the Production of Butyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8095-8105.	3.7	17
15	Dynamics and control of entrainer enhanced reactive distillation using an extraneous entrainer for the production of butyl acetate. <i>Journal of Process Control</i> , 2018, 61, 58-76.	3.3	11
16	Design and Control of a Reactive Distillation Column Based on a Nonlinear Wave Propagation Theory: Production of Terephthalic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4297-4307.	3.7	10
17	Spatially Patterned Catalytic Reactor for Steam- CO_2 Reforming of Methane. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18731-18741.	3.7	10
18	Profile Position Control of Batch Distillation Based on a Nonlinear Wave Model. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 4111-4120.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Design and Control of a Fixed-Bed Recycle Reactor with Multicatalyst Layers: Methanation of Carbon Dioxide. Industrial & Engineering Chemistry Research, 2021, 60, 4650-4667.	3.7	7
20	Tri-reformer with O ₂ side-stream distribution for syngas production. International Journal of Hydrogen Energy, 2022, 47, 9139-9155.	7.1	7
21	Hydrolysis of Dimethyl Terephthalate for the Production of Terephthalic Acid. Journal of Chemical Engineering of Japan, 2006, 39, 327-333.	0.6	6
22	Dynamics and Control of Reactive Distillation under Multiple Steady States Based on a Nonlinear Wave Theory. Industrial & Engineering Chemistry Research, 2012, 51, 16393-16409.	3.7	4
23	Profile position control of complex distillation configurations.. Journal of Chemical Engineering of Japan, 1995, 28, 71-77.	0.6	3
24	Nonlinear Model Based Control of Two-Product Reactive Distillation Column. , 2006, , .		3
25	Nonlinear model based control of two-product reactive distillation column. Korean Journal of Chemical Engineering, 2006, 23, 540-546.	2.7	3
26	Recovery of lactic acid by reactive dividing wall column. , 2008, , .		3
27	Simultaneous Fermentation of Mixed Sugar by a Newly Isolated Clostridium beijerinckii GSC1. Biotechnology and Bioprocess Engineering, 2021, 26, 137-144.	2.6	3
28	Transesterification of Dimethyl Terephthalate with Ethylene Glycol. Korean Chemical Engineering Research, 2013, 51, 144-150.	0.2	2
29	Transesterification Kinetics of Dimethyl Terephthalate with 1,4-Butanediol. Korean Chemical Engineering Research, 2013, 51, 58-67.	0.2	2
30	Production of PBT(polybutylene terephthalate) Oligomer from Recycled PET(polyethylene Terephthalate) using a Dividing Wall Column. Journal of Applied Polymer Science, 2015, 117, 5030-5042.	0.2	2
31	Startup of Distillation Columns using Nonlinear Wave Model Based Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 659-665.	0.4	1
32	Feedstock Recycling Technology from Polyester Wastes. Korean Chemical Engineering Research, 2014, 52, 17-25.	0.2	1
33	Control of Complex Distillation Configurations Using a Nonlinear Wave Theory. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 419-425.	0.4	0
34	Profile position control of distillation columns based on a nonlinear wave model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 573-578.	0.4	0
35	Operation of divided wall column using profile position control. , 2007, , .		0
36	CONTROL OF COMPLEX DISTILLATION CONFIGURATIONS USING A NONLINEAR WAVE THEORY. , 1994, , 419-425.		0

#	ARTICLE	IF	CITATIONS
37	Transesterification of Dimethyl Terephthalate with Diethylene Glycol. Korean Chemical Engineering Research, 2015, 53, 253-261.	0.2	0
38	Entrainer Enhanced Reactive Distillation for Production of Butyl Acetate: Experimental Investigation in Pilot-Scale. Korean Chemical Engineering Research, 2016, 54, 698-705.	0.2	0