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1. **Optimal design of sustainable cellulosic biofuel supply chains: Multiobjective optimization coupled with life cycle assessment and input-output analysis**
By: You, Fengqi; Tao, Ling; Graziano, Diane J.; et al.
AIChE JOURNAL Volume: 58 Issue: 4 Pages: 1157-1180 Published: APR 2012
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2. **Economic model predictive control of nonlinear process systems using Lyapunov techniques**
By: Heidarinejad, Mohsen; Liu, Jinfeng; Christofides, Panagiotis D.
AIChE JOURNAL Volume: 58 Issue: 3 Pages: 855-870 Published: MAR 2012
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3. **Developing thin-film-composite forward osmosis membranes on the PES/SPSf substrate through interfacial polymerization**
By: Wang, Kai Yu; Chung, Tai-Shung; Amy, Gary
AIChE JOURNAL Volume: 58 Issue: 3 Pages: 770-781 Published: MAR 2012
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4. **Design under uncertainty of hydrocarbon biorefinery supply chains: Multiobjective stochastic**

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1. **Planning and Scheduling of Flexible Process Networks Under Uncertainty with Stochastic Inventory: MINLP Models and Algorithm**
By: Yue, Dajun; You, Fengqi
AIChE JOURNAL Volume: 59 Issue: 5 Pages: 1511-1532 Published: MAY 2013
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2. **Sustainable Design and Synthesis of Algae-Based Biorefinery for Simultaneous Hydrocarbon Biofuel Production and Carbon Sequestration**
By: Gebreslassie, Berhane H.; Waymire, Randall; You, Fengqi
AIChE JOURNAL Volume: 59 Issue: 5 Pages: 1599-1621 Published: MAY 2013
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Times Cited: 45
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3. **CO2 Capture and H-2 Purification: Prospects for CO2-Selective Membrane Processes**
By: Ramasubramanian, Kartik; Zhao, Yanan; Ho, W. S. Winston
AIChE JOURNAL Volume: 59 Issue: 4 Pages: 1033-1045 Published: APR 2013
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Times Cited: 44
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4. **Physical Mechanism of Sono-Fenton Process**
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1. **Global Optimization for Sustainable Design and Synthesis of Algae Processing Network for CO2 Mitigation and Biofuel Production Using Life Cycle Optimization**
By: Gong, Jian; You, Fengqi
AIChE JOURNAL Volume: 60 Issue: 9 Pages: 3195-3210 Published: SEP 2014
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Times Cited: 39
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2. **Extractive Distillation with Ionic Liquids: A Review**
By: Lei, Zhigang; Dai, Chengna; Zhu, Jiqin; et al.
AIChE JOURNAL Volume: 60 Issue: 9 Pages: 3312-3329 Published: SEP 2014
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3. **Transport and deposition patterns in drying sessile droplets**
By: Larson, Ronald G.
AIChE JOURNAL Volume: 60 Issue: 5 Pages: 1538-1571 Published: MAY 2014
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4. **CO2 capture from dry flue gas by vacuum swing adsorption: A pilot plant study**
By: Krishnamurthy, Shreenath; Rao, Vemula Rama; Guntuka, Sathishkumar; et al.
AIChE JOURNAL Volume: 60 Issue: 5 Pages: 1492-1510 Published: MAY 2014
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1. **Multiobjective Optimization of Product and Process Networks: General Modeling Framework, Efficient Global Optimization Algorithm, and Case Studies on Bioconversion**
By: Garcia, Daniel J.; You, Fengqi
AIChE JOURNAL Volume: 61 Issue: 2 Pages: 530-551 Published: FEB 2015
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Times Cited: 21
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2. **Optimal Design and Operations of Supply Chain Networks for Water Management in Shale Gas Production: MILFP Model and Algorithms for the Water-Energy Nexus**
By: Gao, Jiyao; You, Fengqi
AIChE JOURNAL Volume: 61 Issue: 4 Pages: 1184-1208 Published: APR 2015
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Times Cited: 20
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3. **A compact photomicroreactor design for kinetic studies of gas-liquid photocatalytic transformations**
By: Su, Yuanhai; Hessel, Volker; Noel, Timothy
AIChE JOURNAL Volume: 61 Issue: 7 Pages: 2215-2227 Published: JUL 2015
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4. **Designing of anion functionalized ionic liquids for efficient capture of SO₂ from flue gas**
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