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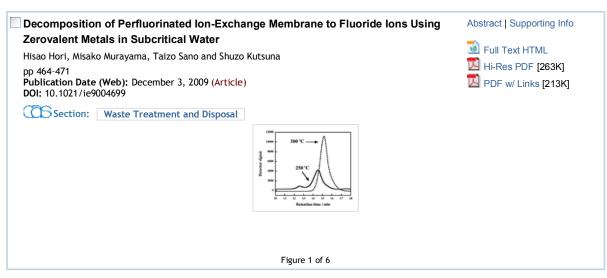
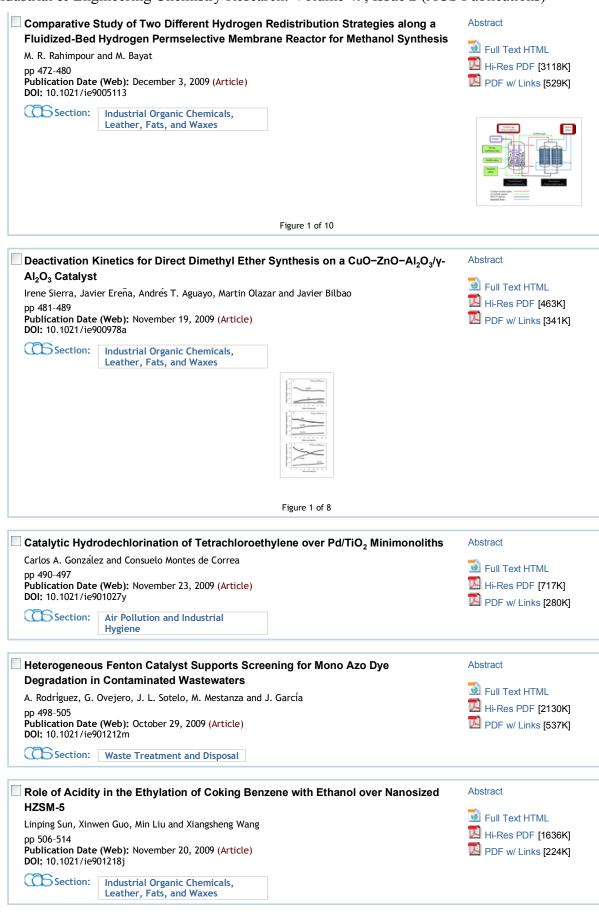


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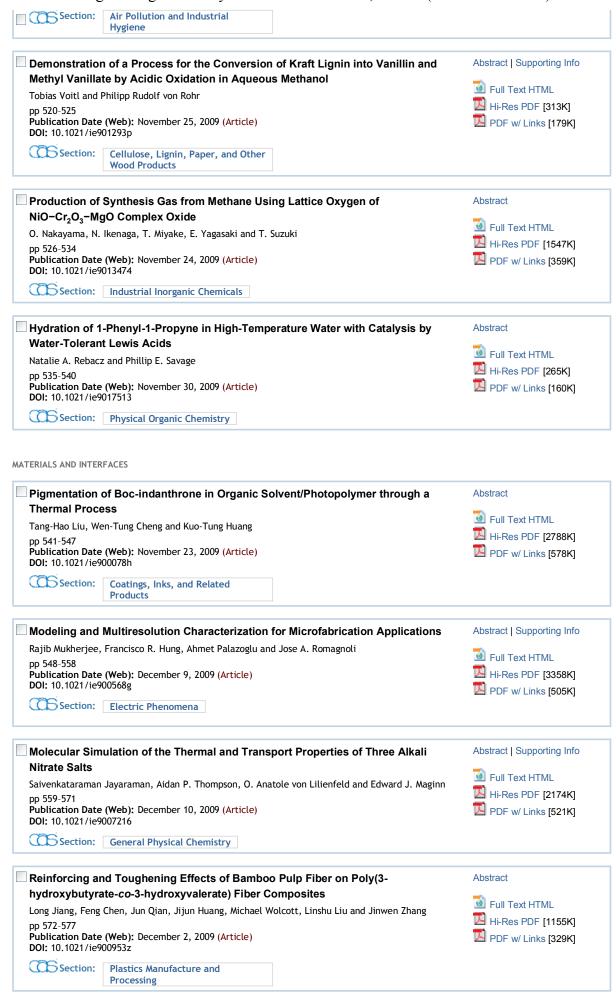
Reactivities of NaOH Enhanced Iron Blast Furnace Slag/Hydrated Lime Sorbents toward  $SO_2$  at Low Temperatures: Effects of the Presence of  $CO_2$ ,  $O_2$ , and  $NO_x$ 

Chiung-Fang Liu, Shin-Min Shih and Jung-Hsin Yang

pp 515-519

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## Abstract An Analysis of Some Unit-Specific Event-Based Models for the Short-Term **Scheduling of Noncontinuous Processes** Full Text HTML Jie Li, Naresh Susarla, I. A. Karimi, Munawar A. Shaik and Christodoulos A. Floudas Hi-Res PDF [684K] Publication Date (Web): May 1, 2009 (Article) PDF w/ Links [410K] DOI: 10.1021/ie801879n Section: Unit Operations and Processes New Approach To Develop Dynamic Gray Box Model for a Plasticating Twin-Screw Abstract Full Text HTML Mohammad H. Iqbal, Uttandaraman Sundararaj and Sirish L. Shah Hi-Res PDF [2380K] pp 648-657 PDF w/ Links [362K] Publication Date (Web): December 14, 2009 (Article) DOI: 10.1021/ie900190z Section: Plastics Fabrication and Uses Detection of Safe Operating Regions: A Novel Dynamic Process Simulator Based Abstract | Supporting Info **Predictive Alarm Management Approach** Full Text HTML Tamás Varga, Ferenc Szeifert and János Abonyi Hi-Res PDF [3868K] pp 658-668 PDF w/ Links [570K] Publication Date (Web): November 25, 2009 (Article) DOI: 10.1021/ie9005222 Section: Unit Operations and Processes Phase-Based Joint Modeling and Spectroscopy Analysis for Batch Processes Abstract Monitoring Full Text HTML Chunhui Zhao, Furong Gao and Fuli Wang 🔼 Hi-Res PDF [1932K] pp 669-681 PDF w/ Links [555K] Publication Date (Web): December 3, 2009 (Article) DOI: 10.1021/ie9005996 Section: Unit Operations and Processes Conceptual Evaluation of Integrated Process Configurations for the Recovery of L-Abstract Phenylalanine Product Crystals during Fermentation Full Text HTML Maria C. Cuellar, Adrie J. J. Straathof, Emile J. A. X. van de Sandt, Joseph J. Heijnen and Luuk A. 🔼 Hi-Res PDF [222K] M. van der Wielen pp 682-689 PDF w/ Links [164K] Publication Date (Web): November 20, 2009 (Article) DOI: 10.1021/ie901007g Section: Fermentation and Bioindustrial Chemistry Simple Analytical min-max Model Matching Approach to Robust Proportional-Abstract | Supporting Info Addition/Correction Integrative-Derivative Tuning with Smooth Set-Point Response S. Alcántara, C. Pedret, R. Vilanova and W. D. Zhang Full Text HTML Hi-Res PDF [1013K] Publication Date (Web): December 4, 2009 (Article) DOI: 10.1021/ie9010194 PDF w/ Links [371K] Section: Unit Operations and Processes Optimal Production Scheduling and Lot-Sizing in Dairy Plants: The Yogurt Abstract **Production Line** Full Text HTML Georgios M. Kopanos, Luis Puigjaner and Michael C. Georgiadis Hi-Res PDF [3635K] Publication Date (Web): December 4, 2009 (Article) PDF w/ Links [544K] DOI: 10.1021/ie901013k **Design and Control of the Cumene Process** Abstract William L. Luyben Full Text HTML Publication Date (Web): November 23, 2009 (Article) DOI: 10.1021/ie9011535 Hi-Res PDF [10082K] PDF w/ Links [1215K] Section: Industrial Organic Chemicals. Leather, Fats, and Waxes Design and Control of Dimethyl Carbonate-Methanol Separation via Extractive Abstract Distillation in the Dimethyl Carbonate Reactive-Distillation Process Kai-Yi Hsu, Yuan-Chang Hsiao and I-Lung Chien

DOI: 10.1021/ie901157g

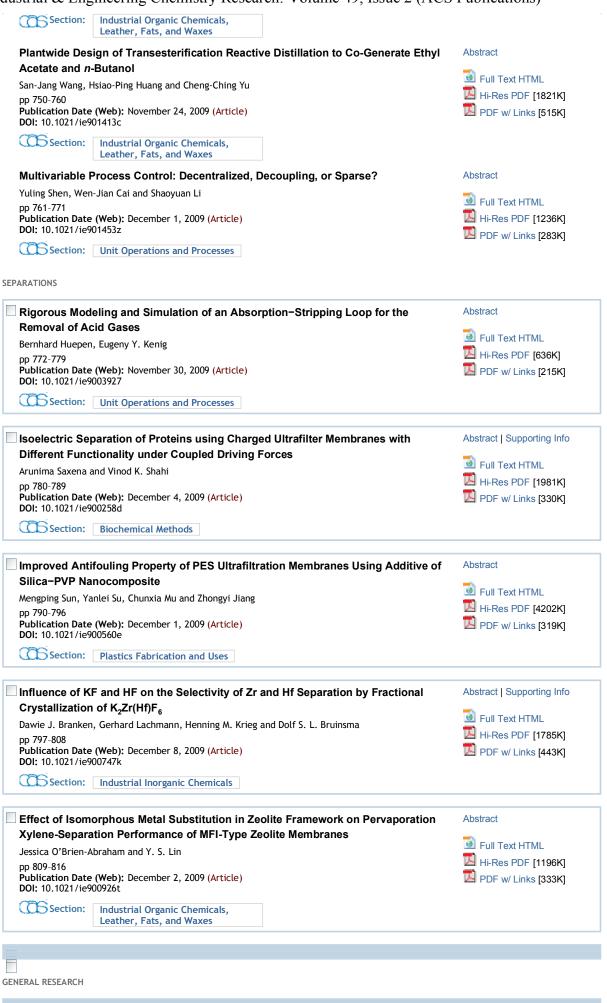
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pp 735-749

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DOI: 10.1021/ie900513k

Section:

## Abstract Water Sorption Isotherms of NPK 10-20-20/4 Muriate of Potash Fertilizer José A. Barreiro, Jr., Andreina Minichini, José A. Barreiro and Aleida J. Sandoval Full Text HTML pp 887-892 Hi-Res PDF [133K] Publication Date (Web): November 25, 2009 (Article) DOI: 10.1021/ie900533q PDF w/ Links [126K] Section: Fertilizers, Soils, and Plant **Nutrition** Experimental and Numerical Investigations of Two-Phase (Liquid-Liquid) Flow Abstract Behavior in Rectangular Microchannels Full Text HTML Siva Kumar Reddy Cherlo, Sreenath Kariveti and S. Pushpavanam Hi-Res PDF [1953K] PDF w/ Links [270K] Publication Date (Web): December 9, 2009 (Article) DOI: 10.1021/ie900555e Section: Unit Operations and Processes Quantitative Structure-Property Relationships for Prediction of Phase Equilibrium Abstract | Supporting Info **Related Properties** Full Text HTML Mordechai Shacham, Georgi St. Cholakov, Roumiana P. Stateva and Neima Brauner Hi-Res PDF [910K] Publication Date (Web): December 10, 2009 (Article) PDF w/ Links [297K] DOI: 10.1021/ie900807j Section: General Physical Chemistry Optimal Experimental Design for Discriminating Numerous Model Candidates: The Abstract Full Text HTML Claas Michalik, Maxim Stuckert and Wolfgang Marquardt Hi-Res PDF [167K] pp 913-919 Publication Date (Web): December 1, 2009 (Article) PDF w/ Links [167K] DOI: 10.1021/ie900903ú Section: Unit Operations and Processes Solvent-Free Fabrication of Ferromagnetic Fe<sub>3</sub>O<sub>4</sub> Octahedra Abstract Vilas G. Pol, Luke L. Daemen, Sven Vogel and George Chertkov Full Text HTML pp 920-924 Hi-Res PDF [4125K] Publication Date (Web): November 20, 2009 (Article) DOI: 10.1021/ie9011062 PDF w/ Links [239K] Section: Magnetic Phenomena Figure 1 of 4 RESEARCH NOTES Phase Equilibria of Methane Hydrates in the Presence of Methanol and/or Ethylene **Glycol Aqueous Solutions** Full Text HTML Amir H. Mohammadi and Dominique Richon 🔼 Hi-Res PDF [192K] pp 925-928 PDF w/ Links [127K] Publication Date (Web): December 14, 2009 (Research Note) DOI: 10.1021/ie901357m Section: Physical Organic Chemistry

## CORRELATIONS

Prediction of Triple-Point Temperature of Pure Components Using their Chemical
Structures

Farhad Gharagheizi and Mehdi Sattari
pp 929-932
Publication Date (Web): December 22, 2009 (Correlation)
DOI: 10.1021/ie901029m

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