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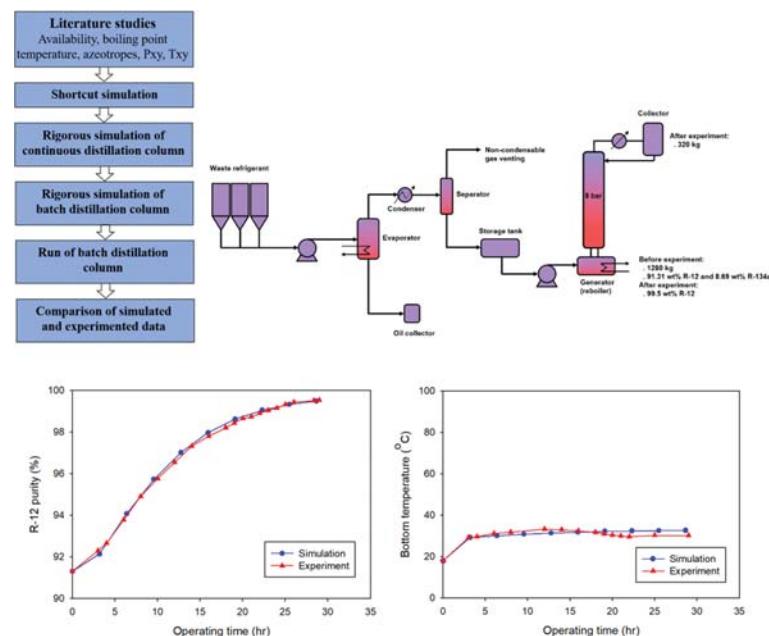
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RAPID COMMUNICATION

Nguyen Van Duc Long, Dong Young Lee, 1823
Thi Hiep Han, Park Sunyong,
Hwang Byeng Bong, and Moonyong Lee

Purification of R-12 for refrigerant reclamation using existing industrial-scale batch distillation: design, optimization, simulation, and experimental studies



TRANSPORT PHENOMENA

- Enle Xu, Xiaofeng Jiang, 1829 Optimizing conical nozzle of venturi ejector in ejector loop reactor using computational fluid dynamics
and Long Ding
- Young-Sang Cho and Sohyeon Sung 1836 Effect of Biot number on unsteady reaction-diffusion phenomena and analytical solutions of coupled governing equations in porous particles with various shapes
- Huibao Meng, Yuning Hao, Yanfang Yu, 1859 Experimental study of gas-liquid two-phase bubbly flow characteristics in a static
Zhonggen Li, Shuning Song, mixer with three twisted leaves
and Jianhua Wu

CATALYSIS, REACTION ENGINEERING

- Mehdi Alibolandi, Jafar Towfighi Darian, 1867 Non-catalytic oxidative desulfurization of gas condensate by ozone and process
Maryam Ghaedian, Sayed Javid Royaei, optimization using response surface methodology
and Amin Shafeqhat
- You Ra Gwak, Jin Han Yun, 1878 Numerical study of oxy-fuel combustion behaviors in a 2MWe CFB boiler
Sang In Keel, and See Hoon Lee

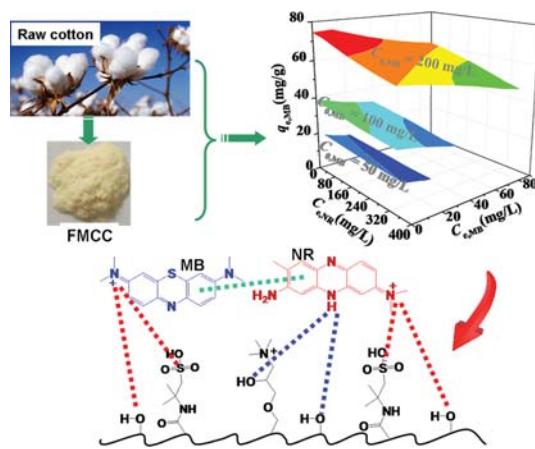
ENERGY

- Gamzenur Özsın, Murat Kılıç, 1888 A thermo-kinetic study on co-pyrolysis of oil shale and polyethylene terephthalate
Esin Apaydin-Varol, Ayşe Eren Pütün, using TGA/FT-IR
and Ersan Pütün

- Aisha Abdullah, Ashfaq Ahmed, Parveen Akhter, Abdul Razzaq, Muhammad Zafar, Murid Hussain, Nasir Shahzad, Khaliq Majeed, Shahzad Khurram, Muhammad Saifullah Abu Bakar, and Young-Kwon Park

ENVIRONMENTAL ENGINEERING

- Yang Zou, Yan Wang, Xiaolong Liu, Tingyu Zhu, Mengkui Tian, and Maoyu Cai
- Nduduzo Nkanyiso Malinga and Alan Lawrence Leigh Jarvis
- Hongjuan Bai, Junhang Chen, Xiangyu Zhou, and Chengzhi Hu



BIOTECHNOLOGY

- Minji Kim, Jeongwoo Yang, Bora Kim, and Jae W. Lee
- Md. Saifur Rahman, Young Kyun Kim, Md Maruf Khan, Sang Hun Lee, Yun Hee Choi, Seung Sik Cho, Chulhwan Park, and Jin Cheol Yoo

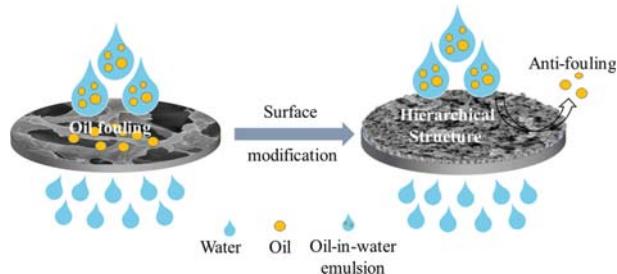
SEPARATION TECHNOLOGY, THERMODYNAMICS

- Runa Dey and Arunkumar Samanta
- Abdolreza Moghadassi, Sara Moradi, and Samaneh Bandehali
- Zeynep Ciğeroğlu, Gürkan Küçükyclıdz, Aydin Haşimoğlu, Fulya Taktak, and Nazlican Açıksöz
- Debarati Mukherjee, Srila Banerjee, Sourja Ghosh, and Swachchha Majumdar
- Noppon Somsesta, Chaichana Piyamawadee, Viboon Sricharoenchaikul, and Duangdao Aht-Ong
- 1899 Bioenergy potential and thermochemical characterization of lignocellulosic biomass residues available in Pakistan
- 1907 Simultaneous removal of NO_x and SO_2 using two-stage O_3 oxidation combined with $\text{Ca}(\text{OH})_2$ absorption
- 1915 Removal of Cr(VI) from aqueous media using magnetic Co-reduced graphene oxide
- 1926 Single and binary adsorption of dyes from aqueous solutions using functionalized microcrystalline cellulose from cotton fiber
- 1933 Production of levulinic acid from wet microalgae in a biphasic one-pot reaction process
- 1942 Purification and identification of novel alkaline pectinase PNs31 from *Bacillus subtilis* CBS31 and its immobilization for bioindustrial applications
- 1951 Microwave-synthesized high-performance mesoporous SBA-15 silica materials for CO_2 capture
- 1963 Fabrication of antifouling mixed matrix NF membranes by embedding sodium citrate surfactant modified-iron oxide nanoparticles
- 1975 Fast and effective methylene blue adsorption onto graphene oxide/amberlite nanocomposite: Evaluation and comparison of optimization techniques
- 1985 PDMS/ceramic composite membrane synthesis and evaluation of ciprofloxacin removal efficiency
- 1999 Adsorption isotherms and kinetics for the removal of cationic dye by Cellulose-based adsorbent biocomposite films

- Saeed Ansari, Abdolreza Moghadassi, and Sayed Mohsen Hosseini 2011 **A new approach to tailoring the separation characteristics of polyethersulfone nano-filtration membranes by 8-hydroxyquinoline functionalized Fe₃O₄ nanoparticles**
- Abolfazl Jomekian, Bahamin Bazoojar, and Reza Mosayebi Behbahani 2020 **Experimental and modeling study of CO₂ separation by modified Pebax 1657 TFC membranes**
- Hamid Abdi, Nader Pourmahmoud, and Jafar Soltan 2041 **A novel CFD simulation of H₂ separation by Pd-based helical and straight membrane tubes**

MATERIALS (Organic, Inorganic, Electronic, Thin Films)

- Yahong Sun, Ruiguang Zhao, Quanyong Wang, Yuanyuan Zheng, Gongrang Li, Dejun Sun, Tao Wu, and Yujiang Li 2054 **Superwetting TiO₂-decorated single-walled carbon nanotube composite membrane for highly efficient oil-in-water emulsion separation**



- So Young Kim, Won Min Keum, and Sang Wook Kang 2064 **Facile pore control by NMP-dipping method with water-pressure**

- Faten Ermala Che Othman, Sadaki Samitsu, Norhaniza Yusof, and Ahmad Fauzi Ismail 2068 **Effects of carbonization conditions on the microporous structure and high-pressure methane adsorption behavior of glucose-derived graphene**

- Shan-Shan Yao, Chun-Liu Ma, Fan-Long Jin, and Soo-Jin Park 2075 **Fracture toughness enhancement of epoxy resin reinforced with graphene nanoplatelets and carbon nanotubes**

RETRACTED ARTICLE 2084