

REVIEW PAPER

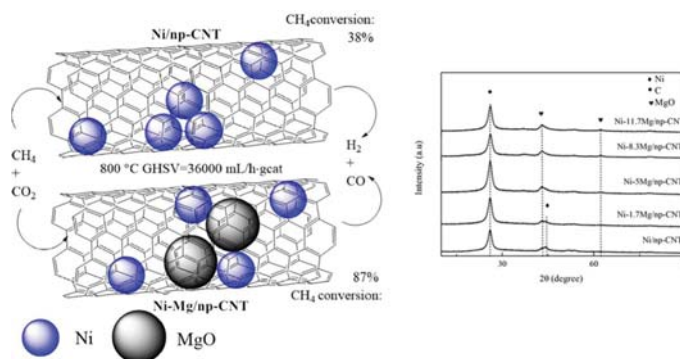
- Sonal Singh, Rishabh Sharma, and Manika Khanuja 1955 **A review and recent developments on strategies to improve the photocatalytic elimination of organic dye pollutants by BiOX (X=Cl, Br, I, F) nanostructures**

TRANSPORT PHENOMENA

- Osita Sunday Nnyigide and Kyu Hyun 1969 **Rheo-kinetics of bovine serum albumin in cationic surfactant systems**

CATALYSIS, REACTION ENGINEERING

- Dehua Zhang, Guangcheng Wei, Yiru Wang, Jing Wang, Ping Ning, Qiulin Zhang, Mingzhi Wang, Tengfei Zhang, and Kaixian Long 1979 **Carbon dioxide reforming of methane over MgO promoted Ni/CNT catalyst**



- Minwoo Lee, Bora Ye, Bora Jeong, Hye-yeon Chun, Duck Hyun Lee, Sam-sik Park, Heesoo Lee, and Hong-Dae Kim 1988 **Reduced graphene oxide supported V₂O₅-WO₃-TiO₂ catalysts for selective catalytic reduction of NO_x**

- Hee Suk Woo, Seungmok Shin, Hwi-Sung Lee, Tae Jun Yoon, and Youn-Woo Lee 1994 **Acid-catalyzed regeneration of fatty-acid-adsorbed γ -alumina via transesterification with methanol**

ENERGY

- Jia Ping Feng, Sang In Choi, Ho Seok Seo, and Young Min Jo 2001 **Improvement of liquid fuel atomization for an internal engine using an auxiliary device**
- Ki-Jeong Lee, Tae-Kyun Kim, Samuel Koomson, and Choong-Gon Lee 2010 **Performance of molten carbonate fuel cell with Li-Na and Li-K carbonate electrolyte at extremely high-temperature condition**

ENVIRONMENTAL ENGINEERING

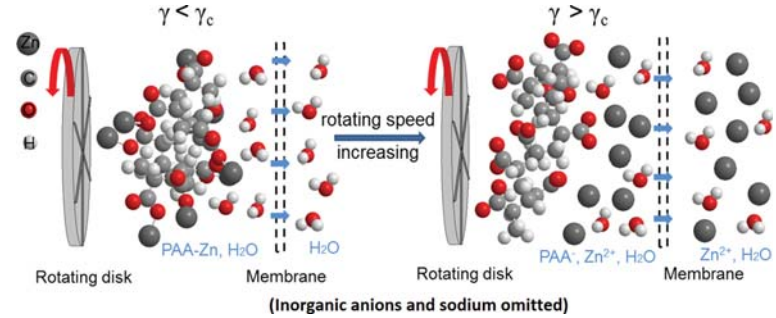
- Minchae Jang, Boyeong Park, Hyunseung Lee, Tae-Yong Kim, and Yangsoo Kim 2015 **Removal of hexavalent chromium ion from aqueous solution using nanoscale zero-valent iron particles immobilized on porous silica support prepared by polymer template method**

BIOTECHNOLOGY

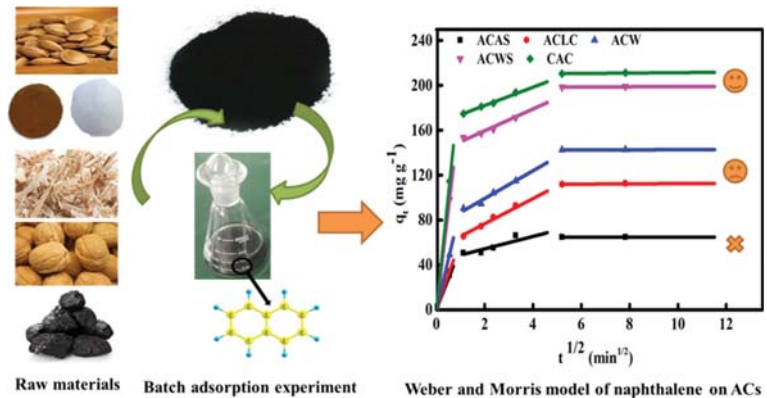
- Bilal Momin, Snehasis Chakraborty, and Uday Annappure 2024 **Investigation of the cell disruption methods for maximizing the extraction of arginase from mutant *Bacillus licheniformis* (M09) using statistical approach**
- Seong-Geun Jeong, Jae-Hoon Jeong, Kyoung-Ku Kang, Si Hyung Jin, Byungjin Lee, Chang-Hyung Choi, and Chang-Soo Lee 2036 **Nanoliter scale microloop reactor with rapid mixing ability for biochemical reaction**

SEPARATION TECHNOLOGY, THERMODYNAMICS

- Min Li, Minhui Huang, Zhiguo Zhang, 2043 **Determination and correlation of the solubility of L-arabinose and D-galactose in binary solvent mixtures from 278.15 to 333.15 K**
 Qiwei Yang, Yiwen Yang, Zongbi Bao, and Qilong Ren
- Reza Darvishi, Javad karimi Sabet, 2052 **Preparation and characterization of a novel calcium-conducting polymer inclusion membrane: Part I**
 and Mohsen Nasr Esfahany
- Rouzbeh Ramezani, Saeed Mazinani, 2065 **Potential of different additives to improve performance of potassium carbonate for CO₂ absorption**
 and Renzo Di Felice
- Shuyun Tang and Yunren Qiu 2078 **Removal of Zn (II) by complexation-ultrafiltration using rotating disk membrane and the shear stability of PAA-Zn complex**



- Pengyun Liu, Zhansheng Wu, 2086 **Comparison study of naphthalene adsorption on activated carbons prepared from different raws**
 Zhonghai Sun, and Jun Ye



- Gholamhossein Sodeifian, 2097 **A comprehensive comparison among four different approaches for predicting the solubility of pharmaceutical solid compounds in supercritical carbon dioxide**
 Seyed Ali Sajadian,
 Fariba Razmimanesh,
 and Nedasadat Saadati Ardestani

MATERIALS (Organic, Inorganic, Electronic, Thin Films)

- Liping Wei, Youjun Lu, Jianbo Zhu, 2117 **Effect of cohesive powders on pressure fluctuation characteristics of a binary gas-solid fluidized bed**
 Guodong Jiang, Jun Hu,
 and Haipeng Teng
- Xinglong Xie, Yu Qiu, Sen Zhao, 2127 **Photo-synthesized copper phenylacetylide nanobelts with preferential photocatalytic active facet exposure**
 Hai-Ying Jiang, and Jinjun Lu
- Alka Tiwari, Alok Shukla, 2133 **Surface modified nanostructured-TiO₂ thin films for removal of Congo red**
 Suk Soon Choi, and Seung-Mok Lee
- Dae-Woong Jung, Kyung Jin Park, 2138 **Scalable synthesis of carbon-embedded ordered macroporous titania spheres with structural colors**
 Seungwoo Lee, Jaeyun Kim,
 Gaehang Lee, and Gi-Ra Yi