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## REVIEW PAPER

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## PROCESS SYSTEMS ENGINEERING, PROCESS SAFETY

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- Honglan Shi, MinJeong Kim, 1960 **Localized indoor air quality monitoring for indoor pollutants' healthy risk assessment using sub-principal component analysis driven model and engineering big data**  
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## TRANSPORT PHENOMENA

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- Akil Jassim Harfash 1970 **Magnetic field and throughflow effects on double-diffusive convection in internally heated anisotropic porous media**  
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## CATALYSIS, REACTION ENGINEERING

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- Kumar Suranjit Prasad, Sheel Prajapati, 1986 **Efficient sorption and photocatalytic degradation of malachite green dye onto NiS nanoparticles prepared using novel green approach**  
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- Jae-Hong Ryu, Suk-Hwan Kang, 1993 **Fischer-Tropsch synthesis on Co-Al<sub>2</sub>O<sub>3</sub>-(promoter)/ZSM5 hybrid catalysts for the production of gasoline range hydrocarbons**  
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## ENVIRONMENTAL ENGINEERING

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- Baharak Ayoubi-Feiz and Soheil Aber 2014 **Preparation of reusable conductive activated charcoal plate as a new electrode for industrial wastewater treatment**
- Urszula Filipkowska, Paula Szymczyk, 2024 **Effect of conditions of air-lift type reactor work on cadmium adsorption**  
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- Rajagopal Jayakumar, 2031 **Sorption and desorption of hexavalent chromium using a novel brown marine algae *Sargassum myriocystum***  
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- Seyed Ali Jafari, Abbas Jamali, 2053 **Cadmium removal from aqueous solution by brown seaweed, *Sargassum angustifolium***  
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- Jae Hyung Kim, Won Seok Chang, 2067 **Factors affecting biological reduction of CO<sub>2</sub> into CH<sub>4</sub> using a hydrogenotrophic  
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- Sambandam Ravikumar, 2073 **Engineering *Escherichia coli* to sense acidic amino acids by introduction of a chi-  
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## SEPARATION TECHNOLOGY, THERMODYNAMICS

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- Mohamadreza Massoudinejad, 2078 **A comprehensive study (kinetic, thermodynamic and equilibrium) of arsenic (V)  
Anvar Asadi, Mehdi Vosoughi, adsorption using KMnO<sub>4</sub> modified clinoptilolite**  
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