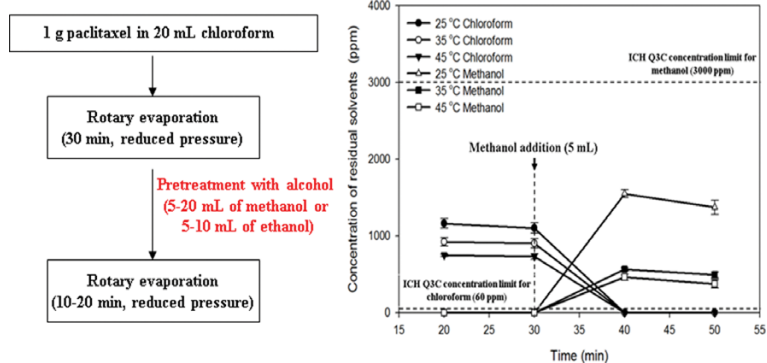


REVIEW PAPER

Baoting Sun, Muhammad Bilal, Shiru Jia, Yunhong Jiang, and Jiandong Cui 1949 **Design and bio-applications of biological metal-organic frameworks**

RAPID COMMUNICATION

Hoe-Jong Kang and Jin-Hyun Kim 1965 **Removal of residual chloroform from amorphous paclitaxel pretreated by alcohol**



CATALYSIS, REACTION ENGINEERING

- Namgyu Son, Jeong Yeon Do, No-Kuk Park, Ui Sik Kim, Jeom-In Baek, Doyeon Lee, Ho-Jung Ryu, and Misook Kang 1971 **Oxygen transfer capacity of the copper component introduced into the defected-MgMnAlO₄ spinel structure in CH₄-CO₂/air redox cycles**
- Changlong Yin, Haonan Zhang, Tongtong Wu, Zhuyan Wu, Kumpeng Li, Yan Kong, Chengwu Dong, and Chenguang Liu 1983 **Effect of naphthalene quinoline and H₂S on DBT hydrodesulfurization over unsupported NiMoW catalyst**
- Xiaobo Wang, Jie Zhou, Caojian Jiang, Jia Wang, Keting Gui, and Hywel Rhys Thomas 1991 **Precursor and dispersion effects of active species on the activity of Mn-Ce-Ti catalysts for NO abatement**

ENVIRONMENTAL ENGINEERING

- Pravin Sukharaj Bhandari and Parag Ratnakar Gogate 2000 **Microwave assisted persulfate induced degradation of sodium dodecyl benzene sulfonate**
- Nuhu Dalhat Mu'azu, Nabeel Jarrah, Mukarram Zubair, Mohammad Saood Manzar, Taye Saheed Kazeem, and Mamdouh Al-Harhi 2008 **Evaluation of novel Mg/Al/Ni-BaFe ternary layered hydroxides uptake of methyl orange dye from water**
- Aola Supong, Parimal Chandra Bhomick, Upasana Bora Sinha, and Dipak Sinha 2023 **A combined experimental and theoretical investigation of the adsorption of 4-Nitrophenol on activated biocarbon using DFT method**

SEPARATION TECHNOLOGY, THERMODYNAMICS

- Maryam Darzipour, 2035 **Antibacterial dynamic membranes loaded by cephalixin/amine-functionalized SBA_15 for Pb(II) ions removal**
Mohsen Jahanshahi, Majid Peyravi,
and Soodabeh Khalili
- Abolfazl Jomekian, Bahamin Bazooyar, 2047 **A modified non-equilibrium lattice fluid model based on corrected fractional free volume of polymers for gas solubility prediction**
Seyed Jalil Poormohammadian,
and Parviz Darvishi
- Sandeep Kumar Jena, Nilima Dash, 2060 **Competency of chlorination roasting coupled water leaching process for potash recovery from K-feldspar: Mechanism and kinetics aspects**
Akshaya Kumar Samal,
and Pramila Kumari Misra
- Morteza Taherinejad, Mahdi Moghimi, 2074 **Hydrodynamic modeling of the spiral-wound membrane module including the membrane curvature: reverse osmosis case study**
and Shahram Derakhshan
- Kamran Shahrezaei, Reza Abedini, 2085 **A preferential CO₂ separation using binary phases membrane consisting of Pebax[®]1657 and [Omim][PF₆] ionic liquid**
Mostafa Lashkarbolooki,
and Ahmad Rahimpour

MATERIALS (Organic, Inorganic, Electronic, Thin Films)

- Yuntae Jin, Kiho Park, 2095 **Modified kinetic rate equation model for cooling crystallization**
and Dae Ryook Yang
- Sooyeon Jang, Sung Min Lee, 2104 **Facile fabrication and photocatalytic activity of Ag/AgI/rGO films**
Jin Seon You, Hyung-Jun Koo,
and Suk Tai Chang
- Trang Thi Thuy Le, Nam Le, 2110 **Green and low-cost preparation of CIGSe thin film by a nanocrystals ink based spin-coating method**
Mohan Reddy Pallavolu, Yoonchang Jeon,
Dong-seob Jeong, Babu Pejjai,
Vasudeva Reddy Minnam Reddy,
Nguyen Tam Nguyen Truong,
and Chinho Park
- Yong Sik Seo and Seong-Geun Oh 2118 **Controlling the recombination of electron-hole pairs by changing the shape of ZnO nanorods via sol-gel method using water and their enhanced photocatalytic properties**

POLYMER, INDUSTRIAL CHEMISTRY

- Shuguo Qu, Chenchen Zhang, 2125 **Enhanced proton conductivity of sulfonated poly(ether ether ketone) membranes at elevated temperature by incorporating (3-aminopropyl)triethoxysilane-grafted graphene oxide**
Minhui Li, Yan Zhang, Lunbo Chen,
Yushuai Yang, Bo Kang, Yiwei Wang,
Jihai Duan, and Weiwen Wang
- Ho-Joon Park, Jong Seok Woo, 2133 **Poly(phenylene sulfide)-graphite composites for bipolar plates with preferred morphological orientation**
and Soo-Young Park
- Pathikrit Saha, Anoth Maharajan, 2143 **Rapid and reusable detection of hydrogen peroxide using polyurethane scaffold incorporated with cerium oxide nanoparticles**
Pritam Kumar Dikshit,
and Beom Soo Kim