

Brief CV

*此表请提供中英翻译

English Name	Xiangzhou Yuan	中文姓名	袁湘洲	PHOTO 
Gender	Male	Title (Pro./Dr.)	Prof.	
Position (President...)	Research Professor	Country	Republic of Korea	
University/Department Korea University/Department of Chemical and Biological Engineering				
Personal Web Sites	https://www.researchgate.net/profile/Xiangzhou_Yuan2			
Research Area	Thermo-chemical conversion of carbon-containing solid fuels; Synthesis, characterization, application of porous adsorbent; Greenhouse gas mitigation; Wastewater treatment; Process modeling, analysis, and optimization			
<p>Brief introduction of your research experience:</p> <p>Prof. Yuan research interests are in developing sustainable and clean energy technologies with decreased net environmental impact. He mainly focus on synthesis, characterization, and applications of porous adsorbents, such as activated carbon derived from polymers, industrial wastes, biomass wastes, etc. The aim of his research is to understand adsorption kinetic and mechanism with different carbon precursors and activation methods, in order to develop novel synthesis strategies to fabricate high performance adsorption capture systems. The application of these adsorbents are targeted on greenhouse gases mitigation (such as CO₂ capture from air/flue gas/landfill gas, CF₄ capture from commercial industrial, etc.), heavy metal removal from wastewater.</p> <p>He also specializes in thermo-chemical conversion of carbon-containing solid fuels. Through conducting pyrolysis and gasification process in fixed- and fluidized-bed reactors, the feedstock, such as coal, petroleum, and biomass, is converted into multi-applicable syngas, which can be utilized for power generation or fuel production. Another area of his interests is process modeling, analysis, and optimization,</p>				

such as IGCC, coal-to-SNG, carbon adsorption capture, etc.	
报告题目及摘要/ Title & Abstract *	
报 告 题 目 /Title:	Industrial Wastes Development for Greenhouse Gas Capture and Syngas Production
摘 要 / Abstract:	To be continued...

*****All the columns need to be filled in.