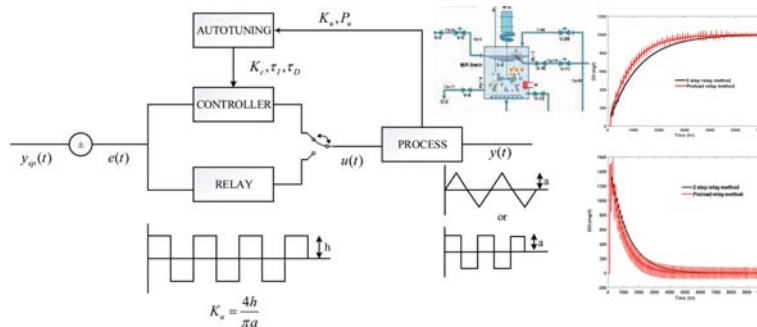


## RAPID COMMUNICATION

- 
- Saxena Nikita and Moonyong Lee 505 **Control of a wastewater treatment plant using relay auto-tuning**



## CATALYSIS, REACTION ENGINEERING

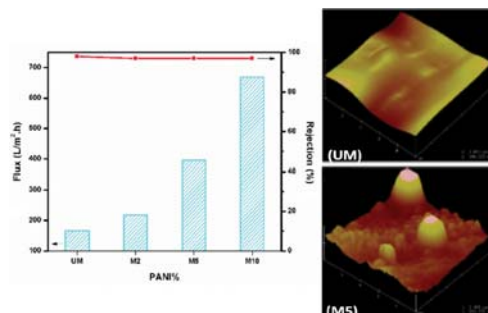
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| Weijie Cai, Qing Chen, Hao Xuan,<br>Congming Li, Hao Yu, Li Cui, Zhihui Yu,<br>Shaoyin Zhang, and Fengzuo Qu | 513 | <b>One-pot synthesis of lactic acid from cellulose over a sulfonated Sn-KIT6 catalyst</b>  |
| Hongyan Yu, Yong Men,<br>and Eun Woo Shin  | 522 | <b>Structural properties of disordered macroporous <math>\text{La}_2\text{O}_2\text{CO}_3/\text{ZnO}</math> materials prepared by a solution combustion method</b> |

## ENVIRONMENTAL ENGINEERING

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| Roaa Mogharbel, Muqiong Liu, Shengli Zou, and Cherie Yestrebksy   | 540 | <b>Degradation and statistical optimization of 3,5,6-trichloro-2-pyridinol by zero valent iron-activated persulfate</b>   |
| Parimal Chandra Bhomick, Aola Supong, Rituparna Karmaker, Mridushmita Baruah, Chubaakum Pongener, and Dipak Sinha | 551 | <b>Activated carbon synthesized from biomass material using single-step KOH activation for adsorption of fluoride: Experimental and theoretical investigation</b> |

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**Fabrication of tubular ceramic-supported malic acid cross-linked poly(vinyl alcohol)/rice husk ash-silica nanocomposite membranes for ethanol dehydration by pervaporation**

**MATERIALS (Organic, Inorganic, Electronic, Thin Films)**

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**Photo-crosslinked polymer networks based on graphene-functionalized soybean oil and their properties**

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**Effect of sulfur on the cell performance in a molten carbonate fuel cell**

Hong-xia Jing, Jing Huang, Na Li,  
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**Fabrication of magnetically recyclable  $\text{ZrO}_2\text{-TiO}_2\text{/CoFe}_2\text{O}_4$  hollow core/shell photocatalysts: Improving photocatalytic efficiency under sunlight irradiation**

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**Photoluminescence and photocatalytic properties of  $\text{Eu}^{3+}$ -doped  $\text{CaZnTiO}_3$  perovskites with metal ion loading**

Hyoung Shin Ko, Hyun Woo Park,  
Geun Joong Kim, and Jong Dae Lee

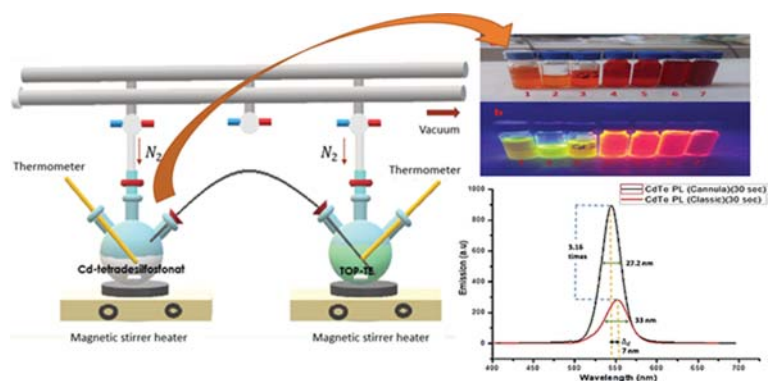
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**Electrochemical characteristics of lithium-excess cathode material ( $\text{Li}_{1+x}\text{Ni}_{0.9}\text{Co}_{0.05}\text{Ti}_{0.05}\text{O}_2$ ) for lithium-ion batteries**

Erdem Elibol, Pınar Sevim Elibol,  
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**Improved photoluminescence and monodisperse performance of colloidal CdTe quantum dots with Cannula method**



Geonhee Park, Woo-Jae Kim,  
and Jaehyun Hur

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**Bath sonication for the scalable separation of semiconducting single walled carbon nanotubes**