

Introducing Functionality to Conducting Polymers by Functional Dopants for Energy Technology

송현곤*

울산과학기술대학교

(philiphobi@unist.ac.kr*)

The method of “incorporation of functional dopants into conducting polymers” is introduced as the strategy to add functionality to electrodes or materials for flexible polymer batteries, biofuel cells, electrochromic devices and even biomaterials for nerve regeneration. By using this strategy, electrochemically active molecules, mediators for electron transfer, electrochromic dyes or anchor molecules can be immobilized in conductive porous matrices.