Materials and Systems for Environmental Remediation and Monitoring

1. Environmental Remediation

1.1. Electrically Switched Ion Exchange Technology for Water Treatment


1.2. Functional Mesoporous Silica and Activated Carbon for Water Treatment

1.3. Supercritical Fluid Extraction Technology for Cleanup of Contaminated Waters and Soils


2. Environmental Monitoring

2.1. Electrochemical Sensors for Toxic Metals and Uranium

2.2. Sensors and Microanalytical Systems for Explosives, PAHs, PCBs, Pesticides and Nerve Agents