RESEARCH INTERESTS


Three major research areas are:

(a) Fundamental studies of complex materials of natural and synthetic origins and their applications in nanotechnology, energy, environment, and medical science.

(b) Investigation of visible light, electron, ion, X-ray, atomic force properties and their interactions with materials for advancing imaging and analysis technology from micrometer to picometer scale.

(c) Physical examination of structure and properties of organic-inorganic (soft-hard) interfaces of nanostructured materials.