

Keywords:

- Materials:

Graphene, Graphene Oxide, Graphite, Nanoplatelet, Nanoparticle, Quantum Dot, 0d, 1D, 2D Nanomaterials, Nanorod, CNT, Carbon Nanotube, MWCNT, SWCNT, Fullerene, Carbon Fibers, H-BN, Hexagonal Boron Nitride, Polymer, Polymeric Composites, Shape Memory Polymer, Smart Materials, Liquid Crystal Elastomers, Thermoplastics, Thermoset, Nafion, Silicone, PDMS, Cellulose, Cyclodextrin, MMC, Metal Matrix Composite, Self-Healing Materials, Epoxy, Ion-Exchange Polymer, Nylon, Polyacetylene, Polyacrylate, Polyacrylamide, Polyacrylonitrile, Polyamide, Polyaniline, Polycarbonate, Polyelectrolyte, Polyester, Polyethylene, Polyfluorene, Polyimide, Polyisobutylene, Polylactide, Polymer Electrolyte, Polymethacrylate, Polyolefin, Polyphosphazene, Polypropylene, Polypyrrole, Polyrotaxane, Polysaccharide, Polysilane, Polysiloxane, Polystyrene, Polythiophene, Polyurethane, Poly(Vinyl Alcohol), PVA, Poly(Vinyl Chloride), PVC, Protein, Rubber, Semiconducting Polymer, Compatibilizer, Plasticizer, Dye, Glass Fiber, Surfactant, Hydrogel, Liquid Crystal Polymer, Organic Light-Emitting Diode (OLED), Organic Photovoltaics (OPVs), Photonic Crystal, Semiconductor, Sealant, Adhesive, Glass, Ceramic, Ligand, Nanocrystals, Nanocomposites, Molecularly Imprinted Polymers, MIPs

- Techniques:

SEM, Scanning Electron Microscopy, Transmission Electron Spectroscopy (TEM), EDX, EDS, Energy-Dispersive X-Ray Spectroscopy, EBSD, Electron Backscatter Diffraction, Injection Molding, Extrusion, Polymer Characterization, Polymer Chemistry, Optical Microscopy, TGA, Thermogravimetric Analysis, DSC, Differential Scanning Calorimetry, Tma, Thermomechanical Analysis, Rheology, CVD, Chemical Vapor Deposition, X-Ray, Organic Synthesis, Polymer Synthesis, Polymerization, Atom Transfer Radical Polymerization (ATRP), Click Reaction, Reversible-Addition-Fragmentation Chain-Transfer Polymerization (RAFT), Ring-Opening Metathesis Polymerization (ROMP), Thermal Degradation, Cyclic Voltammetry (CV), Dynamic Light Scattering (DLS), Gel Permeation Chromatography (GPC), Nuclear Magnetic Resonance (NMR) Spectroscopy, Uv Spectroscopy, X-Ray Photoelectron Spectroscopy (XPS), Chromatography, Gas Chromatography-Mass Spectros