

PROGRAM SCHEDULE



CARBON 2019

LEXINGTON, KY

JULY 14 - 19

- 22** Direct growth of defective carbon nanotubes with tunable dielectric properties in porous $\text{Sc}_2\text{Si}_2\text{O}_7$ ceramic for broadband high-performance microwave absorption **Wei**
- 31** Investigating Effects of sr/ag co-implantation on glassy carbon. **Odutemowo**
- 51** The synthesis of SiC nanostructures by microwave CVD method **Partizan**
- 99** Structural changes in graphitic carbon properties upon exposure to atomic hydrogen **Moafi**
- 107** Loop formation of edge sites in vapor grown carbon nanofiber **Choi**
- 159** Carbon nanotubes growth rate: Explaining negative temperature dependence and Pt, Pd role. **Lobo**
- 161** Boron Doped Carbon Nanotubes: Synthesis, Kinetics and Reaction mechanism **Sawant**
- 195** Computational study on the electronic g-tensors of nanodiamonds **Masys**
- 220** Effective fullerene-based oil in high-performance lubrication **Morelos-Gomez**
- 224.1** Fabrication of composite material based on multiwall carbon nanotubes obtained on diatomite substrate **Nazhipkyzy**
- 224.2** Effect of biochar on agrochemical and physical and chemical indicators of soil **Nazhipkyzy**
- 239** Data-driven approach for reducing variability in chemical vapor deposition of carbon nanotube forests based on dynamic cycling of temperature and pressure **Lee**
- 265** Thermal-catalytic synthesis of carbon nanotubes in a reactor with fluidized bed of catalyst **Mansurov**
- 272** Improvement of power conversion efficiency of fullerenes-based polymer solar cells using microlens arrays **Ko**
- 295** Investigating the self-assembly and structure of nanoparticles containing curved carbons **Bawal**
- 360** Synthesis and characterization of N-doped MWCNTs by CCVD using a biphasic substrate: Ni/La₂Zr₂O₇ **Quevedo**
- 369** Nitrogen-doped MWNCTs under low catalyst concentrations **Orea Calderón**
- 376** Production of nitrogen-doped multiwall carbon nanotubes using Fe-rich red soil from Sierra de Alvarez, San Luis Potosí, México. **Barraza Garcia**
- 383** Red to Warm White Light Emission Tuning on GdVO₄ : Eu³⁺ Dy³⁺ Phosphors **Medina Velazquez**
- 395** Growth of vertically aligned carbon nanotubes on aluminium substrate through a one-step thermal CVD process **Pinault**
- 530** Pt and Pd Nanoparticles Entrapped in Titanate Nanotubes for Chemoselective Hydrogenation of Nitrobenzene **Krishnamoorthy**

- 8** Analysis of Hot Centrifugation Parameters and Mesophase Pitch Content Characterization **Bezerra Sandes Martins**
- 61** "Soot optical band gap evaluated through in-situ and ex-situ measurements as tracer of soot evolution in premixed flames" **Le**
- 92** Peculiarities of the structure and state of the particles of aluminum-carbon composite obtained by the method of CVD **Bakker**