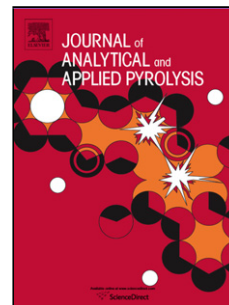


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Pyrolysis Behavior and Chemical Composition of the Precursors Influence on Structure and Properties of Coal-tar-pitch-based Carbon Foams

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Highlights

- CTPs were produced using a new method of treating LTCT with selected solvents.
- The HS, QI, TI contents of CTP precursors were optimized.
- The thermal conductivity of carbon foam was as low as 0.039 W/m·K.
- Thermal insulation was attributed to the ordered micro-channel in the carbon foam.

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