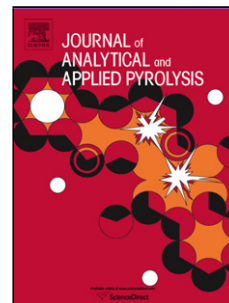


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Pore structure and adsorption properties of carbon xerogels derived from carbonization of tannic acid-resorcinol-formaldehyde resin

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Highlights

- Synthesis of carbon xerogels using tannic acid- resorcinol-formaldehyde resin as a novel precursor was investigated.
- Impact of both carbonization temperature and time on the porous structure of produced samples was studied.
- Micro-mesoporous carbon xerogels with high adsorption capacity for Pb (II) ions was obtained ($Q=250 \text{ mg.g}^{-1}$) at pH 5.5.

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