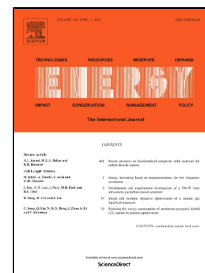


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Effect of power level on the microwave pyrolysis of tire powder

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Highlights

Specific microwave power was presented to evaluate the microwave radiation level.

High content of limonene (nearly 10%) in pyrolysis oils were obtained.

A competitive mechanism between desulfurization reaction and S release was proposed.

The conversion rates of main organic elements to three-phase products were calculated.

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