

## **Relevant aspects of the conversion of Guaiacol as a model compound for bio-oil over supported Molybdenum Carbide catalysts**

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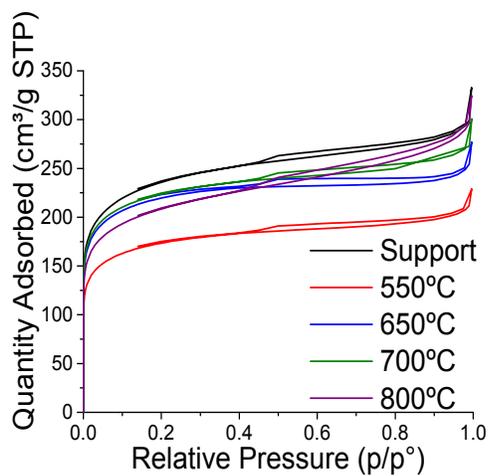
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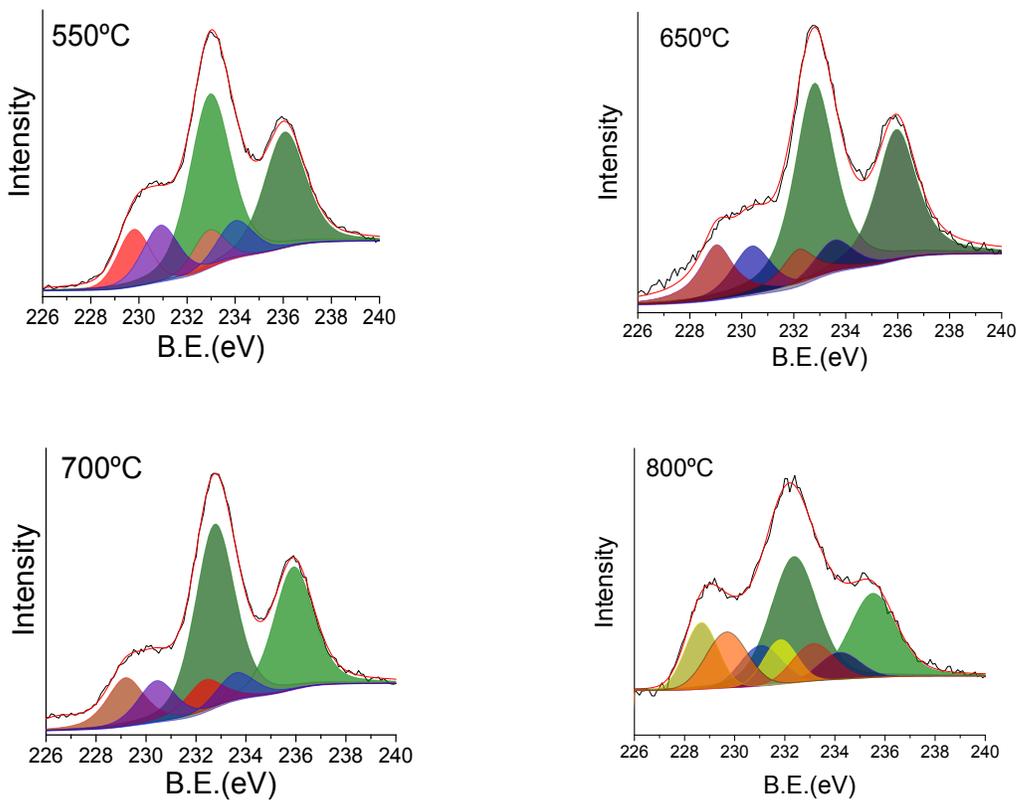
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**Supporting information**

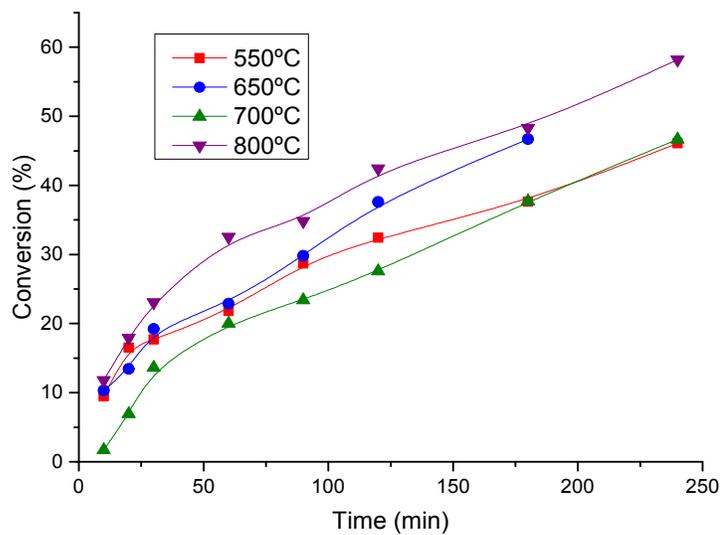
**ESI:** N<sub>2</sub> adsorption-desorption isotherms as a function of the carburization temperature



**ESI 2:** XPS deconvolution of the Mo 3d band carburized at different temperature and different Mo loading.



**ESI 3:** Evolution of guaiacol conversion with time.



**ESI 4:** Evolution of the product' selectivities as a function of the guaiacol conversion obtained for the different catalysts prepared.

