SUPPLEMENTARY MATERIAL

Photocatalytic Degradation of Trimethoprim on Doped Ti-Pillared Montmorillonite

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Fig. S1. Photograph of the photocatalytic reactor.

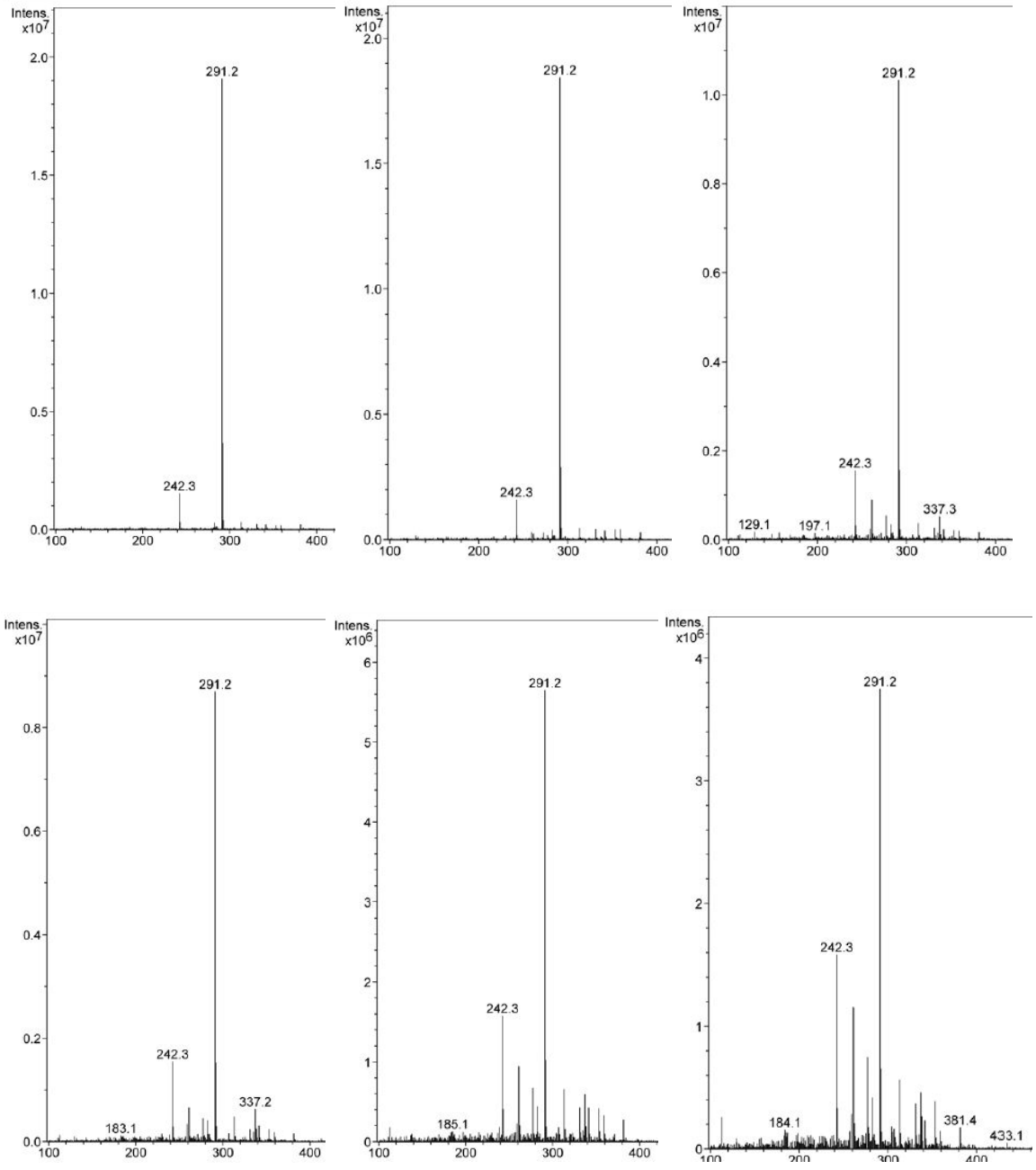


Fig. S2. Mass spectra of the reaction solution after different degradation times using MtTiCr as catalyst. From left to right, up: 5, 10 and 45 minutes; bottom 60, 120 and 150 minutes).

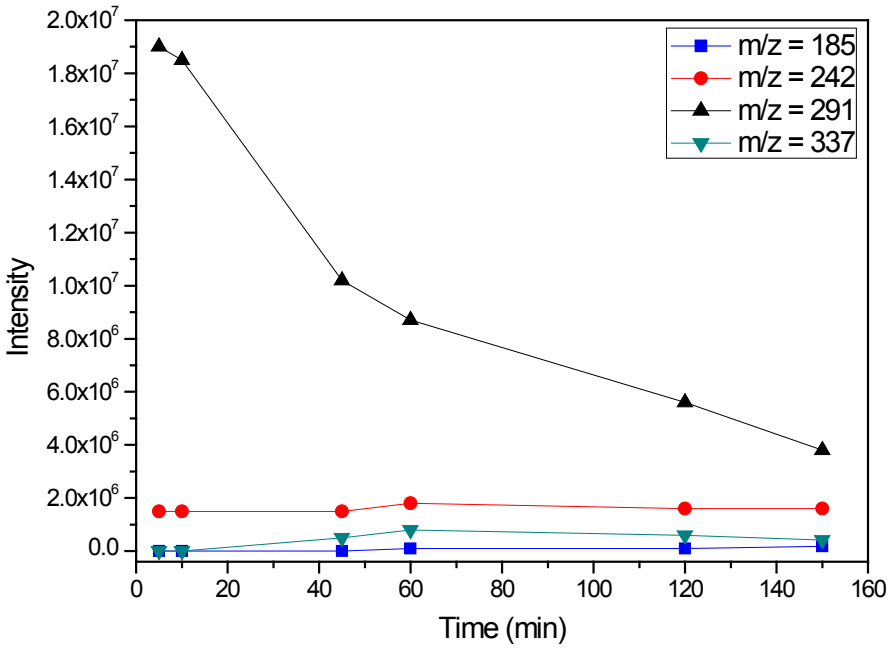
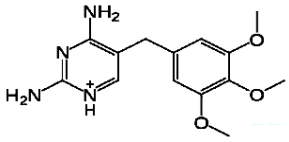
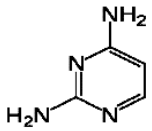
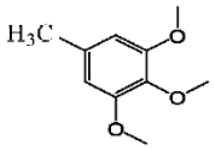
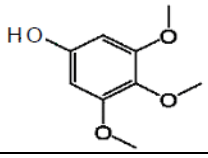
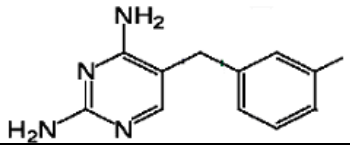
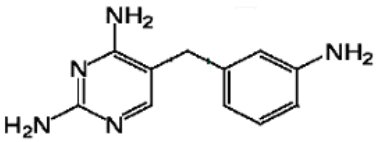
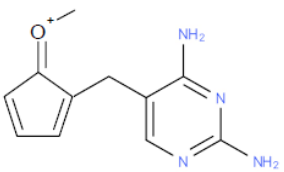
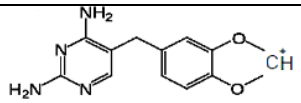
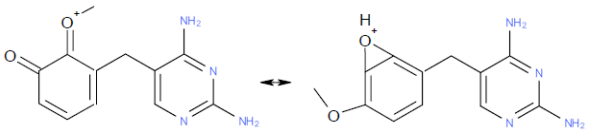
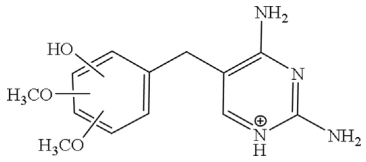
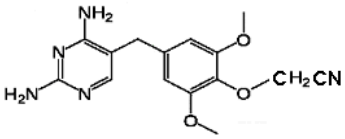
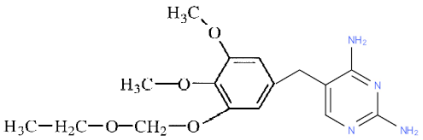
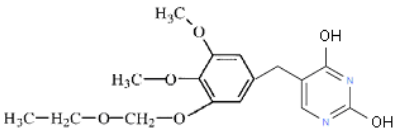
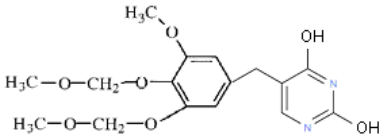
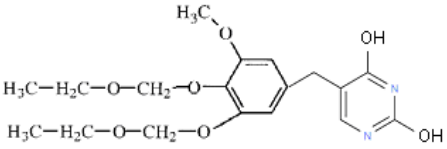


Fig. S3. Evolution with time of the intensities of significant signals in the Mass spectra.

Table S1. Proposed structures for the molecular peak and for different fragments, both reported in the literature and firstly found in this work.

* When accepted protonated forms have been reported, m/z values are given. If not, the mass of the molecular fragments are given, the corresponding m/z values should be one unit higher. On the other hand, if one considers the real masses of the atoms, and not the rounded integers, the values usually are increased by 0.2-0.4 amu, which introduces some sort of uncertainty on the values reported.

m/z*	Fragment	Reference
291		Zhang et al., 2016
110		Barbarin et al., 2002 Eckers et al., 2005
182		This work
184		This work
214		This work
215		This work
216		Barbarin et al., 2002 Eckers et al., 2005
217		Barbarin et al., 2002 Eckers et al., 2005

243		This work
245		Barbarin et al., 2002 Eckers et al., 2005
277		Eckers et al., 2005
315		This work
334		Barbarin et al., 2002
336		This work
352		This work
380		This work