

Appendix A. Supplementary data associated with this article can be found, in the online version, at doi:10.1016/j.apcatb.2010.11.039.

Table S1 Factor Estimates for TOC. A (Catalyst); B (Compound); C (Catalyst load/g L⁻¹); D (time/min); E (pH).

run n°	Factors or Combination of Factors																
	A	B	C	D	ABCD	AC	CD	AB	DE	CE	AD	ABD	ACD	BC	ABC	BCE	E
1	-67.7	-67.7	-67.7	-67.7	67.7	67.7	67.7	67.7	-67.7	-67.7	67.7	-67.7	-67.7	67.7	-67.7	67.7	67.7
2	43.8	-43.8	-43.8	-43.8	-43.8	-43.8	43.8	-43.8	43.8	43.8	-43.8	43.8	43.8	43.8	43.8	-43.8	-43.8
3	-351.4	351.4	-351.4	-351.4	-351.4	351.4	351.4	-351.4	351.4	351.4	351.4	351.4	-351.4	-351.4	351.4	351.4	-351.4
4	347.3	347.3	-347.3	-347.3	347.3	-347.3	347.3	347.3	-347.3	-347.3	-347.3	-347.3	347.3	-347.3	-347.3	-347.3	347.3
5	-131.4	-131.4	131.4	-131.4	-131.4	-131.4	-131.4	131.4	131.4	-131.4	131.4	-131.4	131.4	-131.4	131.4	131.4	-131.4
6	62.4	-62.4	62.4	-62.4	62.4	62.4	-62.4	-62.4	-62.4	62.4	-62.4	62.4	-62.4	-62.4	-62.4	-62.4	62.4
7	-350.2	350.2	350.2	-350.2	350.2	-350.2	-350.2	-350.2	-350.2	350.2	350.2	350.2	350.2	350.2	350.2	-350.2	350.2
8	N _{F,Exp} *R _{Exp}	343.6	343.6	343.6	-343.6	-343.6	343.6	-343.6	343.6	343.6	-343.6	-343.6	-343.6	343.6	343.6	-343.6	-343.6
9	-62.8	-62.8	-62.8	62.8	-62.8	62.8	-62.8	62.8	-62.8	62.8	-62.8	62.8	62.8	62.8	-62.8	-62.8	-62.8
10	42.4	-42.4	-42.4	42.4	42.4	-42.4	-42.4	-42.4	42.4	-42.4	42.4	-42.4	-42.4	42.4	42.4	42.4	42.4
11	-346.0	346.0	-346.0	346.0	346.0	346.0	-346.0	-346.0	346.0	-346.0	-346.0	-346.0	346.0	-346.0	346.0	-346.0	346.0
12	376.9	376.9	-376.9	376.9	-376.9	-376.9	-376.9	376.9	-376.9	376.9	376.9	376.9	-376.9	-376.9	-376.9	376.9	-376.9
13	-67.6	-67.6	67.6	67.6	67.6	-67.6	67.6	67.6	67.6	67.6	-67.6	67.6	-67.6	-67.6	67.6	-67.6	67.6
14	151.7	-151.7	151.7	151.7	-151.7	151.7	151.7	-151.7	-151.7	-151.7	151.7	-151.7	151.7	-151.7	-151.7	151.7	-151.7
15	-326.3	326.3	326.3	326.3	-326.3	-326.3	326.3	-326.3	-326.3	-326.3	-326.3	-326.3	-326.3	326.3	-326.3	-326.3	-326.3
16	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9	352.9
E _F	2.2	270.6	18.5	3.6	-18.9	6.6	-0.9	9.5	-8.3	-11.1	28.1	-11.1	18.5	-30.6	-8.3	28.1	-18.9

Table S2 Factor Estimates for COD. A (Catalyst); B (Compound); C (Catalyst load/g L⁻¹); D (time/min); E (pH).

run n°	Factors or Combination of Factors																
	A	B	C	D	ABCD	AC	CD	AB	DE	CE	AD	ABD	ACD	BC	ABC	BCE	E
1	-136.1	-136.1	-136.1	-136.1	136.1	136.1	136.1	136.1	-136.1	-136.1	136.1	-136.1	-136.1	136.1	-136.1	136.1	136.1
2	54.4	-54.4	-54.4	-54.4	-54.4	-54.4	54.4	-54.4	54.4	54.4	-54.4	54.4	54.4	54.4	54.4	-54.4	-54.4
3	-210.2	210.2	-210.2	-210.2	-210.2	210.2	210.2	-210.2	210.2	210.2	210.2	210.2	-210.2	-210.2	210.2	210.2	-210.2
4	697.1	697.1	-697.1	-697.1	697.1	-697.1	697.1	697.1	-697.1	-697.1	-697.1	-697.1	697.1	-697.1	-697.1	-697.1	697.1
5	-226.8	-226.8	226.8	-226.8	-226.8	-226.8	-226.8	226.8	226.8	-226.8	226.8	-226.8	226.8	-226.8	226.8	226.8	-226.8
6	90.7	-90.7	90.7	-90.7	90.7	90.7	-90.7	-90.7	-90.7	90.7	-90.7	90.7	-90.7	-90.7	-90.7	-90.7	90.7
7	-70.1	70.1	70.1	-70.1	70.1	-70.1	-70.1	-70.1	-70.1	70.1	70.1	70.1	70.1	70.1	-70.1	70.1	70.1
8	N _{F,Exp} *R _{Exp}	652.9	652.9	652.9	-652.9	-652.9	652.9	-652.9	652.9	652.9	-652.9	-652.9	-652.9	652.9	652.9	-652.9	-652.9
9		-90.7	-90.7	-90.7	90.7	-90.7	90.7	-90.7	90.7	-90.7	90.7	-90.7	90.7	90.7	90.7	-90.7	-90.7
10		114.7	-114.7	-114.7	114.7	114.7	-114.7	-114.7	-114.7	114.7	-114.7	114.7	-114.7	114.7	114.7	114.7	114.7
11		-245.3	245.3	-245.3	245.3	245.3	245.3	-245.3	-245.3	245.3	-245.3	-245.3	245.3	-245.3	245.3	-245.3	245.3
12		679.4	679.4	-679.4	679.4	-679.4	-679.4	679.4	-679.4	679.4	679.4	679.4	-679.4	-679.4	-679.4	679.4	-679.4
13		-127.0	-127.0	127.0	127.0	127.0	-127.0	127.0	127.0	127.0	-127.0	127.0	-127.0	-127.0	127.0	-127.0	127.0
14		247.1	-247.1	247.1	247.1	-247.1	247.1	247.1	-247.1	-247.1	247.1	-247.1	247.1	-247.1	-247.1	247.1	-247.1
15		-17.5	17.5	17.5	17.5	-17.5	-17.5	17.5	-17.5	-17.5	-17.5	-17.5	-17.5	17.5	-17.5	-17.5	-17.5
16		591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2	591.2
	E _F	250.47	259.50	-25.57	-3.19	-13.38	34.64	-11.26	268.91	24.24	-52.96	37.48	-52.96	24.25	-99.49	24.24	37.48