

## Electronic Supplementary Data

### Mineralization of aqueous organic pollutants using a catalytic plasma reactor

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Table S1 – Degradation (%), TOC removal, data on first order kinetics and energy yield during the plasma treatment

C <sub>0</sub> (ppm)	Voltage (kV)	Catalyst	At 30 min of plasma treatment				At 15 min of plasma treatment	
			Degradation (%)	Mineralization (%)	Rate constant (min <sup>-1</sup> )	R <sup>2</sup>	Degradation (%)	Energy yield (g/kWh)
50	14	----	84.0	16.9	0.060	0.995	69.6	23.2
	16	----	86.8	22.2	0.064	0.997	72.2	14.1
	18	----	90.1	26.2	0.071	0.992	76.4	8.3
75	18	----	83.5	28.6	0.055	0.991	70.8	11.6
100	18	----	79.5	31.2	0.049	0.998	62.0	13.6
		Al <sub>2</sub> O <sub>3</sub>	89.8	38.5	0.069	0.994	72.1	15.1
		Fe/Al <sub>2</sub> O <sub>3</sub>	93.1	38.4	0.083	0.997	68.8	15.8