

Table S1. *F* values of two-way repeated measures ANOVA of the effects of drought and ozone throughout daytime on CO₂ assimilation rate (*A*), stomatal conductance to water vapor (*g_s*), intercellular CO₂ concentration (*C_i*), potential PSII photochemical activity (*F_v/F_m*), actual PSII photochemical activity (Φ_{PSII}), photochemical (*qP*), and non photochemical quenching (*qNP*) in *Quercus cerris* plants. Asterisks show the significance of factors/interaction: *** *p* ≤ 0.001, ** *p* ≤ 0.01, * *p* ≤ 0.05, ns *p* > 0.05. d.f. represents the degrees of freedom.

Effects	d.f.	<i>A</i>	<i>g_s</i>	<i>C_i</i>	<i>F_v/F_m</i>	<i>qP</i>	<i>qNP</i>
Drought	1	1100.11 ***	800.65 ***	0.16 ns	124.89 ***	199.55 ***	87.84 ***
Ozone	1	5.23 *	39.97 ***	1.24 ns	0.44 ns	19.87 ***	4.38 ns
Time of day	9	138.93 ***	9.77 ***	56.42 ***	19.34 ***	50.63 ***	41.99 ***
Drought × Ozone	1	21.78 ***	33.09 ***	12.56 ***	0.16 ns	0.00 ns	17.51 **
Drought × Time of day	9	27.98 ***	4.91 ***	4.47 **	6.36 ***	1.06 Ns	1.10 ns
Ozone × Time of day	9	1.60 ns	1.04 ns	3.32 **	0.90 ns	3.98 **	0.84 ns
Drought × Ozone × Time of day	9	1.96 ns	0.56 ns	1.65 ns	0.65 ns	0.25 ns	4.35 **

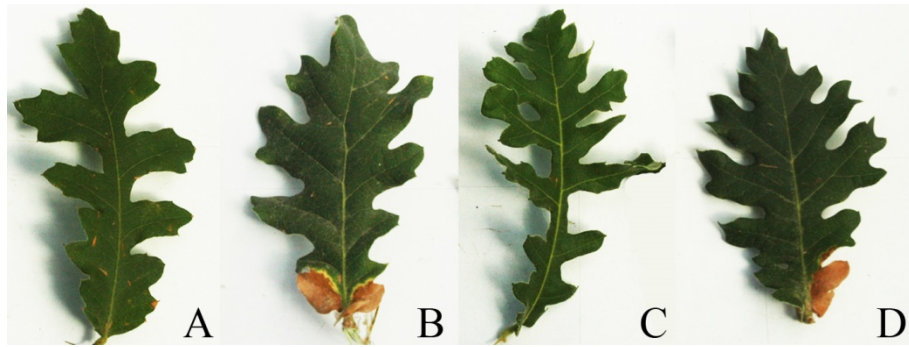


Figure S1. Symptoms in leaves of *Quercus cerris* water stressed and exposed to charcoal filtered air (WS/O₃⁻); regularly irrigated and O₃ fumigated (WW/O₃⁺); water stressed and O₃ fumigated (WS/O₃⁺). Controls were regularly irrigated to maximum soil water holding capacity and exposed to charcoal filtered air (WW/O₃⁻).

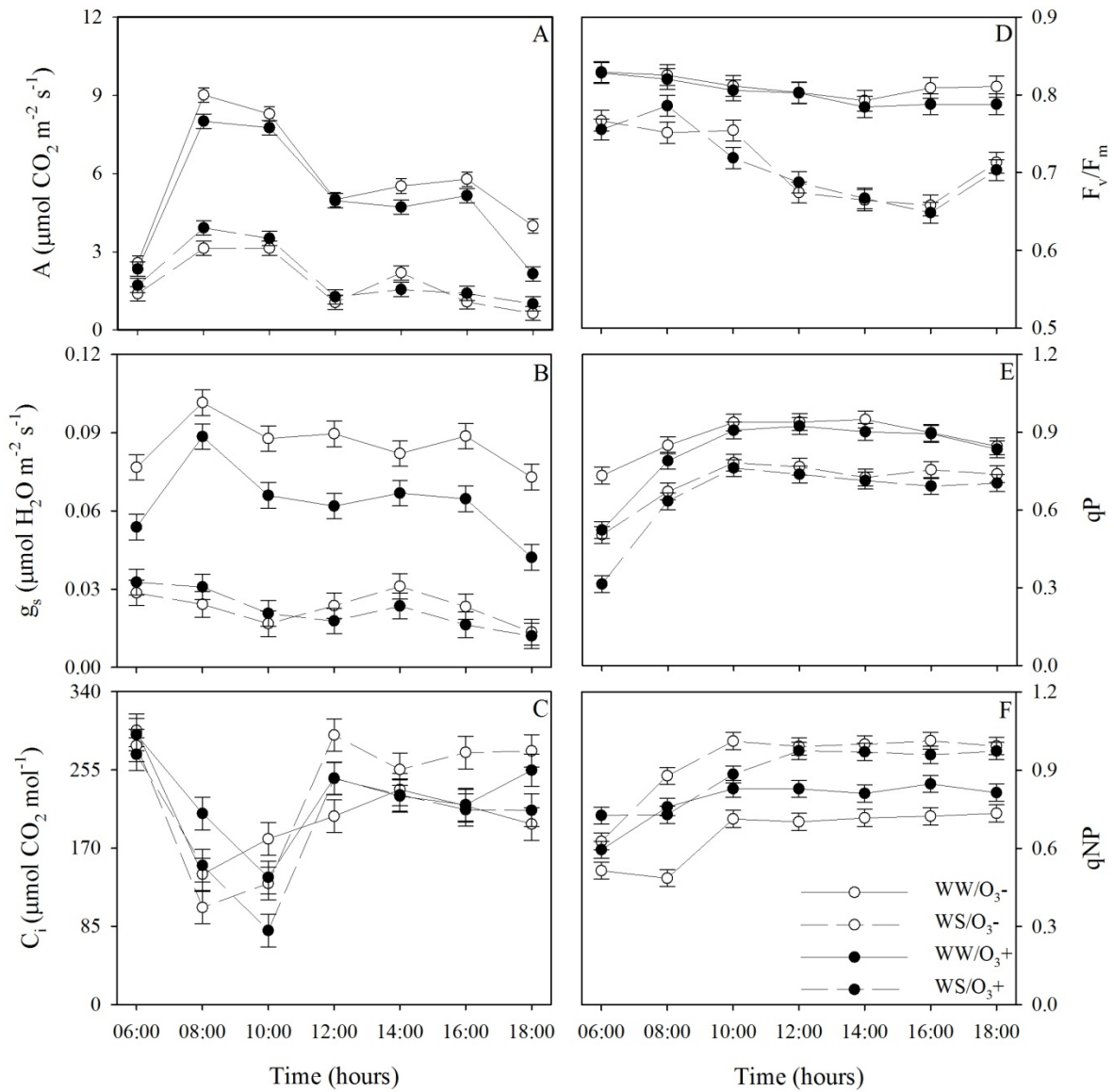


Figure S2. Diurnal profiles of foliar leaf gas exchange and chlorophyll fluorescence parameters in *Quercus cerris* plants (i) regularly irrigated to maximum soil water holding capacity and exposed to charcoal filtered air (WW/O₃⁻); (ii) water stressed and exposed to charcoal filtered air (WS/O₃⁻); (iii) regularly irrigated and O₃ fumigated (WW/O₃⁺); (iv) water stressed and O₃ fumigated (WS/O₃⁺). Data are shown as mean ± standard error (*n* = 3). Abbreviations: A, CO₂ assimilation rate; g_s, stomatal conductance to water vapor; C_i, intercellular CO₂ concentration; Φ_{PSII}, actual PSII photochemical activity; qP, photochemical quenching coefficient; qNP, no photochemical quenching coefficient.