

Table 1. Deposition parameters of the ZrO₂ coatings and labels.

O ₂ FRACTION	POWER	TIME	LABEL
20	400	30	A43
	400	60	A46
	400	90	A49
40	400	30	C43
	400	60	C46
	400	90	C49

O ₂ FRACTION	POWER	TIME	LABEL
30	200	30	B23
	200	60	B26
	200	90	B29
	300	30	B33
	300	60	B36
	300	90	B39
	400	30	B43
	400	60	B46
	400	90	B49

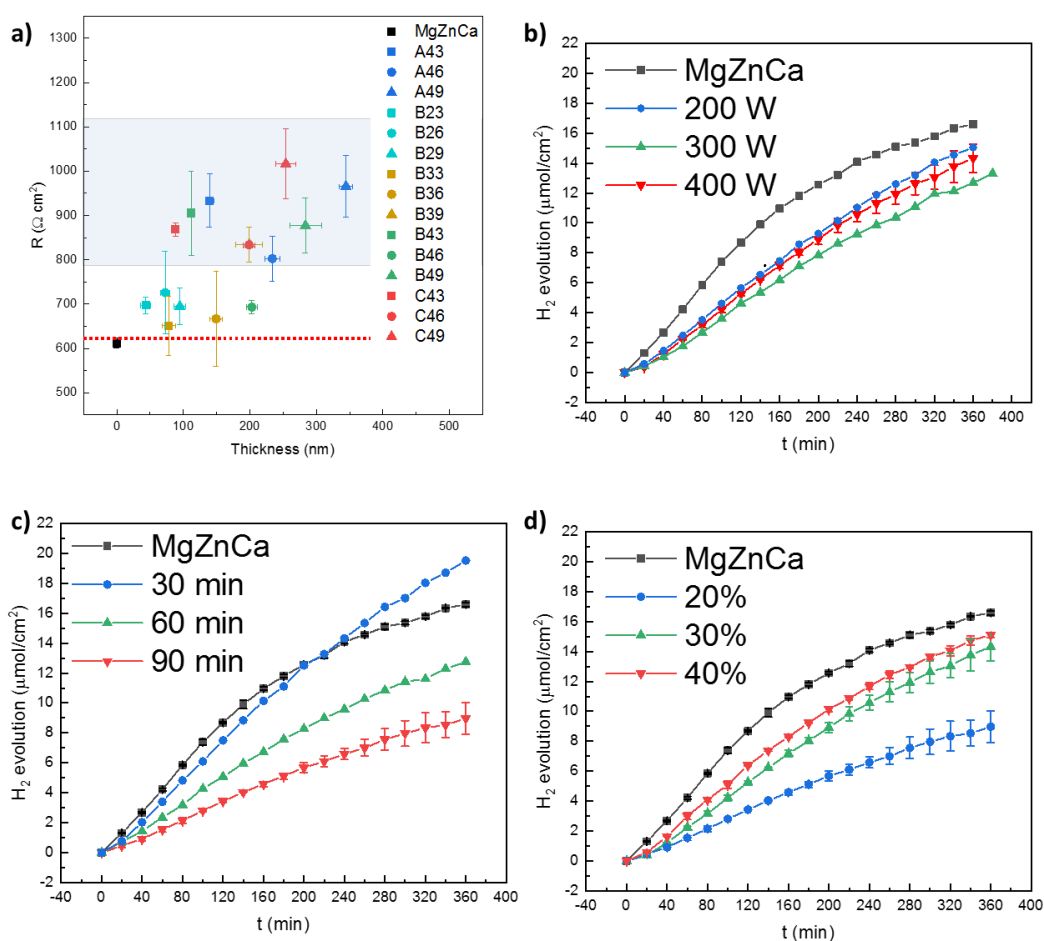


Figure 1. **a)** R as function of coating thickness for all the conditions, see Table 1 for labels. Hydrogen evolved of coated/uncoated samples for **b)** fixed O₂ fraction flux at 30%, fixed deposition time at 90 min and power as variable, **c)** fixed O₂ fraction flux at 20%, fixed power at 400 W and deposition time as variable, **d)** fixed power at 400 W, fixed deposition time at 90 min and O₂ fraction flux as variable.