

Sol-Flame Synthesis of Cobalt-doped TiO₂ Nanowires with Enhanced Electrocatalytic Activity for Oxygen Evolution Reaction

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Table S1. Structural parameters of TiO₂:Co_x (x = 0.01 – 0.2) NWs extracted from fitting the EXAFS data.

Path	Co-O		Co-O		Co-Ti		Co-Ti	
Parameters	N1	R1	N2	R2	N3	R3	N4	R4
TiO ₂ :Co_0.01	3.9(3)	2.05(6)	1.9(7)	2.31(6)	2	3.07(6)	2.4(9)	3.24(1)
TiO ₂ :Co_0.03	3.7(9)	2.06(0)	1.9(2)	2.30(9)	2	3.01(4)	2.9(2)	3.20(6)
TiO ₂ :Co_0.05	3.7(3)	2.03(7)	1.8(7)	2.28(2)	2	3.00(1)	3.1(0)	3.21(0)
TiO ₂ :Co_0.07	3.6(6)	2.01(8)	1.8(6)	2.25(9)	2	3.00(4)	3.3(3)	3.21(2)
TiO ₂ :Co_0.1	3.5(0)	2.02(1)	1.8(2)	2.26(2)	2	3.00(3)	3.4(5)	3.20(4)
TiO ₂ :Co_0.2	3.5(5)	2.03(2)	1.6(5)	2.26(3)	2	3.00(3)	3.6(6)	3.22(0)

Table S2. O/Ti and O/(Ti+Co) ratios in TiO₂, TiO₂:Co_{0.03} and TiO₂:Co_{0.2} NWs measured at 6nm from the NW edge by EELS.

	TiO ₂	TiO ₂ :Co_0.03	TiO ₂ :Co_0.2
O/Ti	1.98	2.13	2.24
O/(Ti+Co)	-	1.97	1.88

Table S3. Specific surface areas of TiO₂, TiO₂:Co_{0.03} and TiO₂:Co_{0.2} NWs.

	TiO ₂	TiO ₂ :Co_0.03	TiO ₂ :Co_0.2
Specific surface area (m ² /g)	45 ± 13	47 ± 19	54 ± 11