Supporting Information

For

Brownmillerites $CaFeO_{2.5}$ and $SrFeO_{2.5}$ as catalyst support for CO oxidation

Pierre-Alexis Répécaud [1,2], Monica Ceretti[2], Mimoun Aouine[3], Céline Delwaulle[4], Emmanuel Nonnet[4] Werner Paulus[2]* and Helena Kaper[1*]

[1] Laboratoire de Synthèse et Fonctionnalisation des Céramiques, CNRS/Saint-Gobain CREE, Saint-Gobain Research Provence, 550, Ave Alphonse Jauffret, 84306 Cavaillon, France;
[2] ICGM, University Montpellier, CNRS, ENSCM-34095, Montpellier, France;
[3] Université de Lyon, Université Claude Bernard Lyon, CNRS, IRCELYON, 2 av Albert Einstein, 69626 Villeurbanne, France;
[4] Competency Research Laboratory, Saint-Gobain Research Provence, 550, Ave Alphonse Jauffret, 84306 Cavaillon, France;

* Correspondence: H.K.: helena.kaper@saint-gobain.com; W.P.: werner.paulus@univ-montp2.fr

Table S1. Physicochemical properties of CFO_cp, CFO_eaf, SFO_cp and SFO_eaf.

	CFO_cp	**CFO_eaf**	**SFO_cp**	**SFO_eaf**
Specific surface area (m^2/g)	12	<1	13	<1
Ca:Fe ratio	0.95	1.06		
Sr:Fe ratio			0.99	1.05

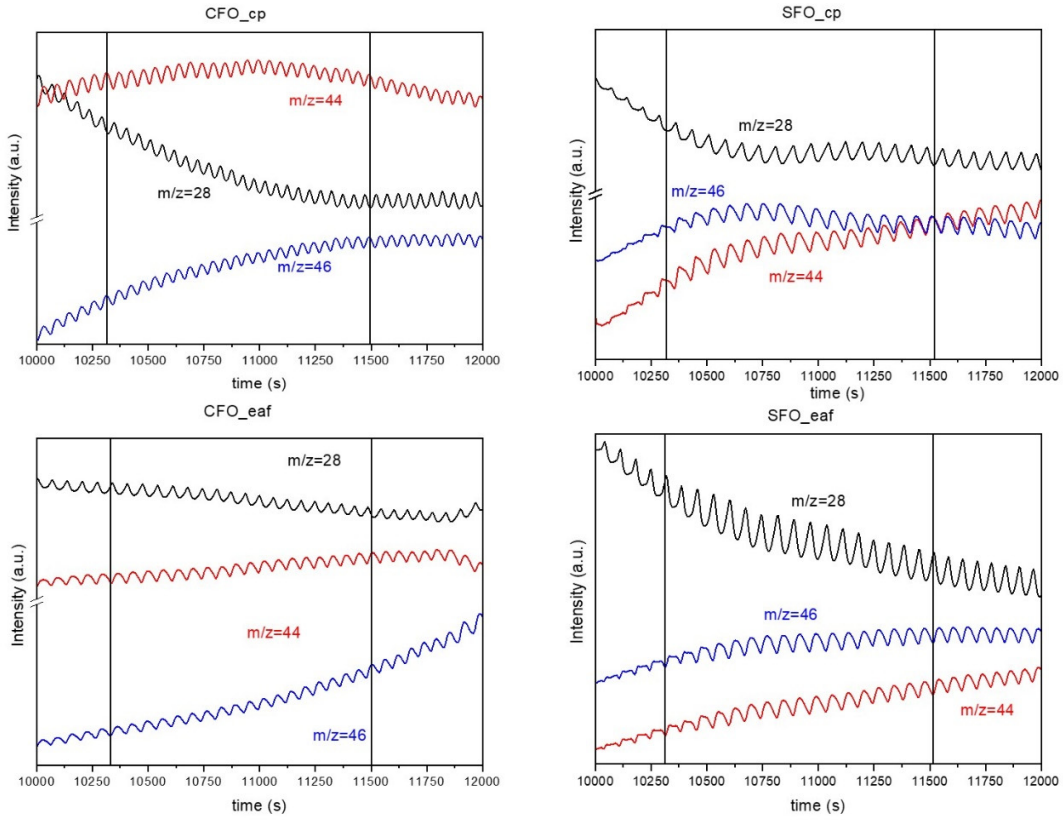
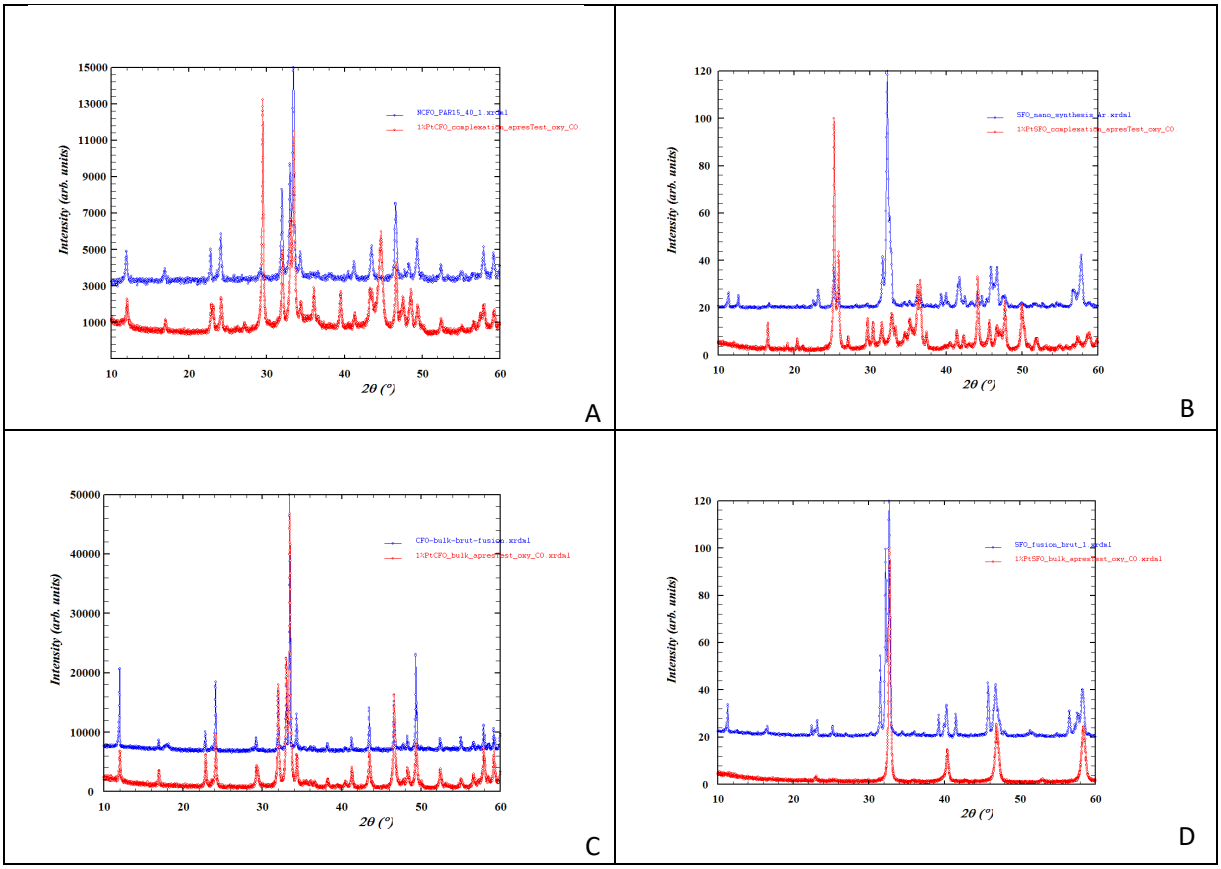


Figure S1. Comparison of oscillation during CO-oxidation on ^{18}O-exchanged materials. Upper left: CFO_cp, upper right: SFO_cp, lower left: CFO_eaf, lower right: SFO_eaf.


Intensity (arb. units)
2θ (°)
A
B
C
D