Supplementary Information (SI) for Materials Advances.

proton conductivity

	Composition	impedance measurement condition				sintersing condition		
		T/K	$p\,H_2O$	$p\,H_2$	$p\,O_2$	sintering temp. / K	sintering atmosphere	method
1	$CaZr_{0.96}In_{0.04}O_3$	873	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	923	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	973	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	1023	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	1073	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	1123	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	1173	0.01	0.1		1873	air	SSR
1	$CaZr_{0.96}In_{0.04}O_3$	1273	0.01	0.1		1873	air	SSR
2	$CaZr_{0.96}Yb_{0.04}O_3$	873	0.01		0.01	1873	air	SSR
2	$CaZr_{0.96}Yb_{0.04}O_3$	973	0.01		0.01	1873	air	SSR
2	$CaZr_{0.96}Yb_{0.04}O_3$	1073	0.01		0.01	1873	air	SSR
3	$CaZr_{0.95}Y_{0.05}O_3$	1073	0.019	0.01		1873	air	CS
3	$CaZr_{0.95}Y_{0.05}O_3$	973	0.019	0.01		1873	air	CS
3	$CaZr_{0.95}Y_{0.05}O_3$	873	0.019	0.01		1873	air	CS
4	$CaZr_{0.995}Al_{0.005}O_3$	473	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	573	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	673	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	773	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	873	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	923	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	973	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	1023	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	1073	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	1123	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	1173	0.01	0.01		1873	air	SSR
4	$CaZr_{0.995}Al_{0.005}O_3$	1273	0.01	0.01		1873	air	SSR
5	$BaZr_{0.8}Sc_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	662	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	643	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	626	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	609	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	591	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	574	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	564	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	550	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	539	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	528	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	517	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	504	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	493	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	481	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	471	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	458	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	446	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	437	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	426	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	415	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	404	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	394	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	383	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	373	0.023			1873	O2	CS
5	$BaZr_{0.8}Sc_{0.2}O_3$	361	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS

SSR: Solid state reaction

CS: Chemical solution

6	$BaZr_{0.8}In_{0.2}O_3$	679	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	662	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	643	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	626	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	609	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	591	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	576	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	565	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	553	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	539	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	528	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	517	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	504	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	493	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	481	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	471	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	458	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	446	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	437	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	426	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	415	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	404	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	395	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	386	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	376	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	366	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	353	0.023			1873	O2	CS
6	$BaZr_{0.8}In_{0.2}O_3$	343	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	679	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	662	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	643	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	628	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	611	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	594	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	577	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	564	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	554	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	542	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	531	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	519	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	508	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	496	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	485	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	473	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	461	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	449	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	439	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	428	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	415	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	404	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	394	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	383	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	373	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	361	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	353	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	345	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	334	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	323	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	313	0.023			1873	O2	CS
7	$BaZr_{0.8}Lu_{0.2}O_3$	303	0.023			1873	O2	CS

8	$BaZr_{0.8}Er_{0.2}O_3$	679	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	662	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	643	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	626	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	609	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	591	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	574	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	564	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	550	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	539	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	528	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	517	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	504	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	493	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	481	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	471	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	458	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	446	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	437	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	426	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	415	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	404	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	394	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	383	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	373	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	361	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	351	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	341	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	331	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	321	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	311	0.023			1873	O2	CS
8	$BaZr_{0.8}Er_{0.2}O_3$	301	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	651.1985	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	636.3995	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	620.5014	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	605.4991	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	589.5983	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	579.9993	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	569.1001	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	559.1997	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	549.3992	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	538.4015	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	528.3988	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	518.2985	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	507.1997	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	497.5991	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	487.4007	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	477.3999	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	466.2005	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	456.5001	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	446.6	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	435.8001	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	425.9996	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	416.5001	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	405.9002	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	395.7998	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	386.1004	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	376.3006	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	365.6	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	355.9998	0.023			1873	O2	CS

9	$BaZr_{0.8}Y_{0.2}O_3$	346.6	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	336.0994	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	325.7	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	317.3999	0.023			1873	O2	CS
9	$BaZr_{0.8}Y_{0.2}O_3$	307.4	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	626	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	609	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	591	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	574	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	564	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	550	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	539	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	528	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	517	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	504	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	493	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	481	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	471	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	458	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	446	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	437	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	426	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	415	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	404	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	394	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	383	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	373	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	361	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	351	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	341	0.023			1873	O2	CS
10	$BaZr_{0.8}Gd_{0.2}O_3$	331	0.023			1873	O2	CS
11	$SrCe_{0.98}Yb_{0.02}O_3$	673	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	723	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	773	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	823	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	873	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	923	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	973	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	1023	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	1073	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	1123	0.019	0.01		1873	air	SSR
11	$SrCe_{0.98}Yb_{0.02}O_3$	1173	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	673	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	723	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	773	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	823	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	873	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	923	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	973	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	1023	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	1073	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	1123	0.019	0.01		1873	air	SSR
12	$SrCe_{0.95}Yb_{0.05}O_3$	1173	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	673	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	723	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	773	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	823	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	873	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	923	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	973	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	1023	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	1073	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	1123	0.019	0.01		1873	air	SSR
13	$SrCe_{0.9}Yb_{0.1}O_3$	1173	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	673	0.019	0.01		1873	air	SSR

14	$SrCe_{0.85}Yb_{0.15}O_3$	723	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	773	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	823	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	873	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	923	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	973	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	1023	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	1073	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	1123	0.019	0.01		1873	air	SSR
14	$SrCe_{0.85}Yb_{0.15}O_3$	1173	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	1173	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	1123	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	1073	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	1023	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	973	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	923	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	873	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	823	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	773	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	723	0.019	0.01		1873	air	SSR
15	$SrZr_{0.9}Y_{0.1}O_3$	673	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	1173	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	1123	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	1073	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	1023	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	973	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	923	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	873	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	823	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	773	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	723	0.019	0.01		1873	air	SSR
16	$SrZr_{0.7}Ce_{0.2}Y_{0.1}O_3$	673	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	1173	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	1123	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	1073	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	1023	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	973	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	923	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	873	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	823	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	773	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	723	0.019	0.01		1873	air	SSR
17	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_{3-\delta}$	673	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	1173	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	1123	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	1073	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	1023	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	973	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	923	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	873	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	823	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	773	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	723	0.019	0.01		1873	air	SSR
18	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	673	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	1173	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	1123	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	1073	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	1023	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	973	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	923	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	873	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	823	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	773	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	723	0.019	0.01		1873	air	SSR
19	$SrCe_{0.9}Y_{0.1}O_3$	673	0.019	0.01		1873	air	SSR

20	$CaZr_{0.98}In_{0.02}O_3$	773	0.01	0.01		1873	air	SSR
20	$CaZr_{0.98}In_{0.02}O_3$	873	0.01	0.01		1873	air	SSR
20	$CaZr_{0.98}In_{0.02}O_3$	973	0.01	0.01		1873	air	SSR
20	$CaZr_{0.98}In_{0.02}O_3$	1073	0.01	0.01		1873	air	SSR
21	$SrCe_{0.7}Yb_{0.3}O_3$	573	0.01	0.01		1873	air	SSR
21	$SrCe_{0.7}Yb_{0.3}O_3$	623	0.01	0.01		1873	air	SSR
21	$SrCe_{0.7}Yb_{0.3}O_3$	673	0.01	0.01		1873	air	SSR
21	$SrCe_{0.7}Yb_{0.3}O_3$	723	0.01	0.01		1873	air	SSR
21	$SrCe_{0.7}Yb_{0.3}O_3$	773	0.01	0.01		1873	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	573	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	623	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	673	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	723	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	773	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	823	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	873	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	973	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	1073	0.019	0.01		1973	air	SSR
22	$La_{0.9}Ba_{0.1}YbO_3$	1173	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	523	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	573	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	623	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	673	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	723	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	773	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	823	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	873	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	973	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	1073	0.019	0.01		1973	air	SSR
23	$La_{0.9}Sr_{0.1}YbO_3$	1173	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	773	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	823	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	873	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	973	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	1073	0.019	0.01		1973	air	SSR
24	$La_{0.9}Ca_{0.1}YbO_3$	1173	0.019	0.01		1973	air	SSR
25	$La_{0.9}Mg_{0.1}YbO_3$	873	0.019	0.01		1973	air	SSR
25	$La_{0.9}Mg_{0.1}YbO_3$	973	0.019	0.01		1973	air	SSR
25	$La_{0.9}Mg_{0.1}YbO_3$	1073	0.019	0.01		1973	air	SSR
25	$La_{0.9}Mg_{0.1}YbO_3$	1173	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	673	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	723	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	773	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	823	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	873	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	973	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	1073	0.019	0.01		1973	air	SSR
26	$La_{0.98}Ba_{0.02}YbO_3$	1173	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	573	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	623	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	673	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	723	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	773	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	823	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	873	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	973	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	1073	0.019	0.01		1973	air	SSR
27	$La_{0.94}Ba_{0.06}YbO_3$	1173	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	623	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	673	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	723	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	773	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	823	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	873	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	973	0.019	0.01		1973	air	SSR

28	$LaBa_{0.02}Yb_{0.98}O_3$	1073	0.019	0.01		1973	air	SSR
28	$LaBa_{0.02}Yb_{0.98}O_3$	1173	0.019	0.01		1973	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	573	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	623	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	673	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	723	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	773	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	823	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	873	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	973	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	1073	0.019	0.01		1773	air	SSR
29	$La_{0.9}Sr_{0.1}InO_3$	1173	0.019	0.01		1773	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	623	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	673	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	723	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	773	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	823	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	873	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	973	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	1073	0.019	0.01		1973	air	SSR
30	$La_{0.9}Sr_{0.1}YO_3$	1173	0.019	0.01		1973	air	SSR
31	$La_{0.9}Sr_{0.1}ScO_3$	523	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	573	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	623	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	673	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	723	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	773	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	823	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	873	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	973	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	1073	0.019	0.01		1873	air	CS
31	$La_{0.9}Sr_{0.1}ScO_3$	1173	0.019	0.01		1873	air	CS
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	673	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	723	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	773	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	823	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	873	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	923	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	973	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	1023	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	1073	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	1123	0.019	0.01		1773	air	SSR
32	$La_{0.9}Sr_{0.1}Yb_{0.9}In_{0.1}O_3$	1173	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	673	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	723	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	773	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	823	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	873	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	923	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	973	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	1023	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	1073	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	1123	0.019	0.01		1773	air	SSR
33	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	1173	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	723	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	823	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	873	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	923	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	973	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	1023	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	1073	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	1123	0.019	0.01		1773	air	SSR
34	$La_{0.9}Sr_{0.1}Yb_{0.5}In_{0.5}O_3$	1173	0.019	0.01		1773	air	SSR

35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	673	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	723	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	773	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	823	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	873	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	923	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	973	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	1023	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	1073	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	1123	0.019	0.01		1773	air	SSR
35	$La_{0.9}Sr_{0.1}Yb_{0.2}In_{0.8}O_3$	1173	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	673	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	723	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	773	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	823	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	873	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	923	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	973	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	1023	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	1073	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	1123	0.019	0.01		1773	air	SSR
36	$La_{0.9}Sr_{0.1}Y_{0.8}In_{0.2}O_3$	1173	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	723	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	823	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	873	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	923	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	973	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	1023	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	1073	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	1123	0.019	0.01		1773	air	SSR
37	$La_{0.9}Sr_{0.1}Y_{0.5}In_{0.5}O_3$	1173	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	573	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	623	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	673	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	723	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	773	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	823	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	873	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	923	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	973	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	1023	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	1073	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	1123	0.019	0.01		1773	air	SSR
38	$La_{0.9}Sr_{0.1}Y_{0.2}In_{0.8}O_3$	1173	0.019	0.01		1773	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	673	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	723	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	773	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	823	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	873	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	923	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	973	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	1023	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	1073	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	1123	0.019	0.01		1973	air	SSR
39	$La_{0.9}Sr_{0.1}Y_{0.8}Yb_{0.2}O_3$	1173	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	723	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	773	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	823	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	873	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	923	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	973	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	1023	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	1073	0.019	0.01		1973	air	SSR

40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	1123	0.019	0.01		1973	air	SSR
40	$La_{0.9}Sr_{0.1}Y_{0.5}Yb_{0.5}O_3$	1173	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	673	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	723	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	773	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	823	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	873	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	923	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	973	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	1023	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	1073	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	1123	0.019	0.01		1973	air	SSR
41	$La_{0.9}Sr_{0.1}Y_{0.2}Yb_{0.8}O_3$	1173	0.019	0.01		1973	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	1173	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	1073	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	973	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	873	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
42	$La_{0.9}Ba_{0.1}Yb_{0.5}In_{0.5}O_3$	573	0.019	0.01		1773	air	SSR
43	$La_{0.7}Ba_{0.3}Yb_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
43	$La_{0.7}Ba_{0.3}Yb_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
43	$La_{0.7}Ba_{0.3}Yb_{0.5}In_{0.5}O_3$	573	0.019	0.01		1773	air	SSR
44	$La_{0.5}Ba_{0.5}Yb_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
44	$La_{0.5}Ba_{0.5}Yb_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
44	$La_{0.5}Ba_{0.5}Yb_{0.5}In_{0.5}O_3$	573	0.019	0.01		1773	air	SSR
45	$La_{0.3}Ba_{0.7}Yb_{0.5}In_{0.5}O_3$	773	0.019	0.01		1773	air	SSR
45	$La_{0.3}Ba_{0.7}Yb_{0.5}In_{0.5}O_3$	673	0.019	0.01		1773	air	SSR
45	$La_{0.3}Ba_{0.7}Yb_{0.5}In_{0.5}O_3$	573	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	973	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	1073	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	873	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	773	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	673	0.019	0.01		1773	air	SSR
46	$Sm_{0.9}Sr_{0.1}InO_3$	573	0.019	0.01		1773	air	SSR
47	$Ga_{0.9}Sr_{0.1}InO_3$	873	0.019	0.01		1773	air	SSR
47	$Ga_{0.9}Sr_{0.1}InO_3$	773	0.019	0.01		1773	air	SSR
47	$Ga_{0.9}Sr_{0.1}InO_3$	673	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	973	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	1073	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	873	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	773	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	673	0.019	0.01		1773	air	SSR
48	$Nd_{0.9}Sr_{0.1}InO_3$	573	0.019	0.01		1773	air	SSR
49	$BaZr_{0.7}Sc_{0.3}O_3$	1073	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	973	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	873	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	773	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	673	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	573	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	473	0.019	0.01		1873	O2	CS
49	$BaZr_{0.7}Sc_{0.3}O_3$	373	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	579	0.019	0.01		1873	O2	CS
50	$BaZr_{0.7}Lu_{0.2}Sc_{0.1}O_3$	485	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	573	0.019	0.01		1873	O2	CS

51	$BaZr_{0.7}Y_{0.2}Sc_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	573	0.019	0.01		1873	O2	CS
52	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	573	0.019	0.01		1873	O2	CS
53	$BaZr_{0.7}Yb_{0.2}Al_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	1173	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	573	0.019	0.01		1873	O2	CS
54	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	573	0.019	0.01		1873	O2	CS
55	$BaZr_{0.7}Yb_{0.2}Lu_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	1073	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	973	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	873	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	773	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	673	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	573	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	473	0.019	0.01		1873	O2	CS
56	$BaZr_{0.7}Yb_{0.3}O_3$	373	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	773	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	673	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	573	0.019	0.01		1873	O2	CS
57	$BaZr_{0.9}Yb_{0.1}O_3$	473	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	773	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
58	$BaZr_{0.6}Yb_{0.2}Lu_{0.2}O_3$	473	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	773	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	473	0.019	0.01		1873	O2	CS
59	$BaZr_{0.6}Yb_{0.2}Sc_{0.2}O_3$	373	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	1173	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	773	0.019	0.01		1873	O2	CS

60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
60	$BaZr_{0.6}Yb_{0.2}In_{0.2}O_3$	473	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	1173	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	1073	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	973	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	873	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	773	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	673	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	573	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	473	0.019	0.01		1873	O2	CS
61	$BaZr_{0.55}Yb_{0.2}In_{0.25}O_3$	373	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	1173	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	1073	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	973	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	873	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	773	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	673	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	573	0.019	0.01		1873	O2	CS
62	$BaZr_{0.5}Yb_{0.2}In_{0.3}O_3$	473	0.019	0.01		1873	O2	CS
63	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.22}O_3$	673	0.019	0.01		1873	O2	CS
63	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.22}O_3$	773	0.019	0.01		1873	O2	CS
63	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.22}O_3$	873	0.019	0.01		1873	O2	CS
63	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.22}O_3$	973	0.019	0.01		1873	O2	CS
63	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.22}O_3$	1073	0.019	0.01		1873	O2	CS
64	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
64	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
64	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
64	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
65	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
65	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
65	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
65	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
66	$BaCe_{0.8}Y_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
66	$BaCe_{0.8}Y_{0.2}O_3$	773	0.019	0.01		1873	O2	CS
66	$BaCe_{0.8}Y_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
66	$BaCe_{0.8}Y_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
66	$BaCe_{0.8}Y_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
67	$BaZr_{0.44}Ce_{0.36}Y_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
67	$BaZr_{0.44}Ce_{0.36}Y_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
67	$BaZr_{0.44}Ce_{0.36}Y_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
68	$BaZr_{0.8}Tm_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
68	$BaZr_{0.8}Tm_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
68	$BaZr_{0.8}Tm_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
68	$BaZr_{0.8}Tm_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
68	$BaZr_{0.8}Tm_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
69	$BaZr_{0.8}Yb_{0.2}O_3$	573	0.019	0.01		1873	O2	CS
69	$BaZr_{0.8}Yb_{0.2}O_3$	673	0.019	0.01		1873	O2	CS
69	$BaZr_{0.8}Yb_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
69	$BaZr_{0.8}Yb_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
69	$BaZr_{0.8}Yb_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	573	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	623	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	673	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	723	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	773	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	823	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	873	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	923	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	973	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	1023	0.019	0.01		1873	O2	CS
71	$SrCe_{0.97}Yb_{0.03}O_3$	1073	0.019	0.01		1873	O2	CS

72	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	873	0.019	0.01		1873	O2	CS
72	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	973	0.019	0.01		1873	O2	CS
72	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	1073	0.019	0.01		1873	O2	CS
73	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
73	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
73	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
74	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
74	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
74	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
75	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	873	0.019	0.01		1873	O2	CS
75	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	973	0.019	0.01		1873	O2	CS
75	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	1073	0.019	0.01		1873	O2	CS
76	$SrZr_{0.8}Sc_{0.2}O_3$	873	0.019	0.01		1873	O2	CS
76	$SrZr_{0.8}Sc_{0.2}O_3$	973	0.019	0.01		1873	O2	CS
76	$SrZr_{0.8}Sc_{0.2}O_3$	1073	0.019	0.01		1873	O2	CS

Supplementary information 2

hole conductivity

	composition	impedance measurement condition				sintersing condition		
		T/K	$p\,H_2O$	$p\,H_2$	$p\,O_2$	sintering temp. / K	sintering atmosphere	method
1	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_3$	873	0.019		0.21	1873	air	SSR
1	$SrZr_{0.5}Ce_{0.4}Y_{0.1}O_3$	1073	0.019		0.21	1873	air	SSR
2	$SrZr_{0.3}Ce_{0.6}Y_{0.1}O_3$	873	0.019		0.21	1873	air	SSR
3	$BaZr_{0.44}Ce_{0.36}Y_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
3	$BaZr_{0.44}Ce_{0.36}Y_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
4	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.2}O_3$	773	0.019		0.21	1873	O_2	CS
4	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
4	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
4	$Ba_{0.3}Sr_{0.7}Zr_{0.44}Ce_{0.36}Y_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
5	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	873	0.019		0.21	1873	O_2	CS
5	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	973	0.019		0.21	1873	O_2	CS
5	$BaCe_{0.16}Zr_{0.64}Y_{0.1}Yb_{0.1}O_3$	1073	0.019		0.21	1873	O_2	CS
6	$SrTi_{0.95}Fe_{0.05}O_3$	575			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	597			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	623			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	647			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	676			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	699			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	725			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	746			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	775			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	800			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	820			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	847			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	870			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	901			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	917			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	943			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	976			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	995			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	1010			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	1047			0.21	1573	air	SSR
6	$SrTi_{0.95}Fe_{0.05}O_3$	1081			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	575			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	597			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	623			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	647			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	676			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	699			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	725			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	746			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	775			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	800			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	820			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	847			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	870			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	901			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	917			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	943			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	976			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	995			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	1010			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	1047			0.21	1573	air	SSR
7	$SrTi_{0.9}Fe_{0.1}O_3$	1081			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	575			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	597			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	623			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	647			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	676			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	699			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	725			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	746			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	775			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	800			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	820			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	847			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	870			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	901			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	917			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	943			0.21	1573	air	SSR

SSR: Solid state reaction
CS: Chemical solution

8	$SrTi_{0.85}Fe_{0.15}O_3$	976			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	995			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	1010			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	1047			0.21	1573	air	SSR
8	$SrTi_{0.85}Fe_{0.15}O_3$	1081			0.21	1573	air	SSR
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	364			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	400			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	444			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	500			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	571			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	667			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	800			0.21	#VALUE!	air	CS
9	$Ba_{0.3}Sr_{0.7}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	#VALUE!	air	CS
10	$Ba_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	364			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	400			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	444			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	500			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	571			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	667			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	800			0.21	#VALUE!	air	CS
11	$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	364			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	400			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	444			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	500			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	571			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	667			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	800			0.21	#VALUE!	air	CS
12	$Ba_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	#VALUE!	air	CS
13	$BaPr_{0.8}Gd_{0.2}O_3$	673			0.21	1923	air	SSR
13	$BaPr_{0.8}Gd_{0.2}O_3$	773			0.21	1923	air	SSR
13	$BaPr_{0.8}Gd_{0.2}O_3$	873			0.21	1923	air	SSR
13	$BaPr_{0.8}Gd_{0.2}O_3$	973			0.21	1923	air	SSR
13	$BaPr_{0.8}Gd_{0.2}O_3$	1073			0.21	1923	air	SSR
14	$BaPr_{0.7}Gd_{0.3}O_3$	673			0.21	1923	air	SSR
14	$BaPr_{0.7}Gd_{0.3}O_3$	773			0.21	1923	air	SSR
14	$BaPr_{0.7}Gd_{0.3}O_3$	873			0.21	1923	air	SSR
14	$BaPr_{0.7}Gd_{0.3}O_3$	973			0.21	1923	air	SSR
14	$BaPr_{0.7}Gd_{0.3}O_3$	1073			0.21	1923	air	SSR
15	$BaPr_{0.6}Gd_{0.4}O_3$	673			0.21	1923	air	SSR
15	$BaPr_{0.6}Gd_{0.4}O_3$	773			0.21	1923	air	SSR
15	$BaPr_{0.6}Gd_{0.4}O_3$	873			0.21	1923	air	SSR
15	$BaPr_{0.6}Gd_{0.4}O_3$	973			0.21	1923	air	SSR
15	$BaPr_{0.6}Gd_{0.4}O_3$	1073			0.21	1923	air	SSR
16	$BaCe_{0.8}Gd_{0.2}O_3$	673			0.21	1923	air	SSR
16	$BaCe_{0.8}Gd_{0.2}O_3$	773			0.21	1923	air	SSR
16	$BaCe_{0.8}Gd_{0.2}O_3$	873			0.21	1923	air	SSR
16	$BaCe_{0.8}Gd_{0.2}O_3$	973			0.21	1923	air	SSR
16	$BaCe_{0.8}Gd_{0.2}O_3$	1073			0.21	1923	air	SSR
17	$BaZr_{0.8}In_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
17	$BaZr_{0.8}In_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
17	$BaZr_{0.8}In_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
18	$BaZr_{0.8}Lu_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
18	$BaZr_{0.8}Lu_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
18	$BaZr_{0.8}Lu_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
19	$SrCo_{0.95}Nb_{0.05}O_3$	673			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	723			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	773			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	823			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	873			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	923			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	973			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	1023			0.21	1473	air	SSR
19	$SrCo_{0.95}Nb_{0.05}O_3$	1073			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	673			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	723			0.21	1473	air	SSR

20	$SrCo_{0.90}Nb_{0.1}O_3$	773			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	823			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	873			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	923			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	973			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	1023			0.21	1473	air	SSR
20	$SrCo_{0.90}Nb_{0.1}O_3$	1073			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	673			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	723			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	773			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	823			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	873			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	923			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	973			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	1023			0.21	1473	air	SSR
21	$SrCo_{0.85}Nb_{0.15}O_3$	1073			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	673			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	723			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	773			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	823			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	873			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	923			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	973			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	1023			0.21	1473	air	SSR
22	$SrCo_{0.8}Nb_{0.2}O_3$	1073			0.21	1473	air	SSR
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	623	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	673	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	723	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	773	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	823	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	873	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	923	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	973	0.03		0.21	1873	air	CS
23	$BaZr_{0.7}Pr_{0.1}Y_{0.2}O_3$	1023	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	623	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	673	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	723	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	773	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	823	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	873	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	923	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	973	0.03		0.21	1873	air	CS
24	$BaZr_{0.6}Pr_{0.2}Y_{0.2}O_3$	1023	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	623	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	673	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	723	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	773	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	823	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	873	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	923	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	973	0.03		0.21	1873	air	CS
25	$BaZr_{0.5}Pr_{0.3}Y_{0.2}O_3$	1023	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	623	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	673	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	723	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	773	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	823	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	873	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	923	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	973	0.03		0.21	1873	air	CS
26	$BaZr_{0.4}Pr_{0.4}Y_{0.2}O_3$	1023	0.03		0.21	1873	air	CS
27	$BaZr_{0.8}Sc_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
27	$BaZr_{0.8}Sc_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
27	$BaZr_{0.8}Sc_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
28	$SrZr_{0.8}Sc_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
28	$SrZr_{0.8}Sc_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
28	$SrZr_{0.8}Sc_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
29	$BaZr_{0.8}Tm_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
29	$BaZr_{0.8}Tm_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
29	$BaZr_{0.8}Tm_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
30	$BaZr_{0.8}Y_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
30	$BaZr_{0.8}Y_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
30	$BaZr_{0.8}Y_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
31	$BaCe_{0.8}Y_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS

31	$BaCe_{0.8}Y_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
31	$BaCe_{0.8}Y_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
32	$BaCe_{0.9}Y_{0.1}O_3$	1073	0.019		0.21	1873	O_2	CS
33	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	873	0.019		0.21	1873	O_2	CS
33	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	973	0.019		0.21	1873	O_2	CS
33	$BaZr_{0.7}Yb_{0.2}In_{0.1}O_3$	1073	0.019		0.21	1873	O_2	CS
34	$BaZr_{0.7}Yb_{0.2}Sc_{0.1}O_3$	873	0.019		0.21	1873	O_2	CS
35	$BaZr_{0.8}Yb_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
35	$BaZr_{0.8}Yb_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
35	$BaZr_{0.8}Yb_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
36	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
36	$Ba_{0.9}Sr_{0.1}Zr_{0.8}Yb_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	773	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	823	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	873	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	923	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	973	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	1023	0.019		0.21	1873	O_2	CS
37	$SrCe_{0.97}Yb_{0.03}O_3$	1073	0.019		0.21	1873	O_2	CS
38	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	873	0.019		0.21	1873	O_2	CS
38	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	973	0.019		0.21	1873	O_2	CS
38	$BaCe_{0.6}Zr_{0.2}Y_{0.2}O_3$	1073	0.019		0.21	1873	O_2	CS
39	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	873	0.019		0.21	1873	O_2	CS
39	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	973	0.019		0.21	1873	O_2	CS
39	$BaCe_{0.7}Zr_{0.1}Y_{0.1}Yb_{0.1}O_3$	1073	0.019		0.21	1873	O_2	CS
40	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	873	0.019		0.21	1873	O_2	CS
40	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	973	0.019		0.21	1873	O_2	CS
40	$BaCe_{0.45}Zr_{0.35}Y_{0.1}Yb_{0.1}O_3$	1073	0.019		0.21	1873	O_2	CS
41	$LaFe_{0.9}Ni_{0.1}O_3$	714			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	769			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	833			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	909			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	1000			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	1111			0.21	#VALUE!	air	SSR
41	$LaFe_{0.9}Ni_{0.1}O_3$	1250			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	556			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	588			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	625			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	667			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	714			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	769			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	833			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	909			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	1000			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	1111			0.21	#VALUE!	air	SSR
42	$LaFe_{0.8}Ni_{0.2}O_3$	1250			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	556			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	588			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	625			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	667			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	714			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	769			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	833			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	909			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	1000			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	1111			0.21	#VALUE!	air	SSR
43	$LaFe_{0.7}Ni_{0.3}O_3$	1250			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	556			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	588			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	625			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	667			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	714			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	769			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	833			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	909			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	1000			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	1111			0.21	#VALUE!	air	SSR
44	$LaFe_{0.6}Ni_{0.4}O_3$	1250			0.21	#VALUE!	air	SSR
45	$La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_3$	444			0.21	#VALUE!		PLD
45	$La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_3$	500			0.21	#VALUE!		PLD
45	$La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_3$	571			0.21	#VALUE!		PLD
45	$La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_3$	667			0.21	#VALUE!		PLD
45	$La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_3$	800			0.21	#VALUE!		PLD
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR

46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
46	$La_{0.3}Sr_{0.7}Co_{0.3}Ti_{0.7}O_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
47	$La_{0.3}Sr_{0.7}Co_{0.5}Ti_{0.5}O_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	673			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	723			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	773			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	823			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	873			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	923			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	973			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	1023			0.21	1573	air	CS
48	$Pr_{0.7}Sr_{0.3}Co_{0.4}Mn_{0.6}O_3$	1073			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	673			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	723			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	773			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	823			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	873			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	923			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	973			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	1023			0.21	1573	air	CS
49	$Pr_{0.7}Sr_{0.3}Co_{0.2}Mn_{0.8}O_3$	1073			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	673			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	723			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	773			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	823			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	873			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	923			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	973			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	1023			0.21	1573	air	CS
50	$Pr_{0.5}Sr_{0.5}Co_{0.4}Mn_{0.6}O_3$	1073			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	673			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	723			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	773			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	823			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	873			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	923			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	973			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	1023			0.21	1573	air	CS
51	$Pr_{0.5}Sr_{0.5}Co_{0.2}Mn_{0.8}O_3$	1073			0.21	1573	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	773			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	823			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	873			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	923			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	973			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1023			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1073			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1123			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1173			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1223			0.21	1523	air	CS
52	$La_{0.8}Sr_{0.2}Mn_{0.9}Cu_{0.1}O_3$	1273			0.21	1523	air	CS
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	333			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	1473	air	SSR

53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	1473	air	SSR
53	$Nd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	333			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	1473	air	SSR
54	$Pr_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	333			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	1473	air	SSR
55	$Sm_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	333			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	1473	air	SSR
56	$La_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	333			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	364			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	400			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	444			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	500			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	571			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	667			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	800			0.21	1473	air	SSR
57	$Gd_{0.4}Sr_{0.6}Co_{0.8}Fe_{0.2}O_3$	1000			0.21	1473	air	SSR
58	$La_{0.9}Sr_{0.1}Yb_{0.8}In_{0.2}O_3$	873			0.21	1773	air	SSR
59	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.1}Ni_{0.1}O_3$	990			0.21	1773	air	SSR
59	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.1}Ni_{0.1}O_3$	1020			0.21	1773	air	SSR
59	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.1}Ni_{0.1}O_3$	1124			0.21	1773	air	SSR
59	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.1}Ni_{0.1}O_3$	1176			0.21	1773	air	SSR
59	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.1}Ni_{0.1}O_3$	1220			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	980			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	1026			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	1075			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	1124			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	1176			0.21	1773	air	SSR
60	$La_{0.8}Sr_{0.2}Ga_{0.8}Mg_{0.15}Ni_{0.05}O_3$	1220			0.21	1773	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	873			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	923			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	973			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1023			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1073			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1123			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1173			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1223			0.21	1673	air	SSR
61	$LaSc_{0.95}Mg_{0.05}O_3$	1273			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	873			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	923			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	973			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1023			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1073			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1123			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1173			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1223			0.21	1673	air	SSR
62	$LaSc_{0.9}Mg_{0.1}O_3$	1273			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	873			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	923			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	973			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	1023			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	1073			0.21	1673	air	SSR

63	$LaSc_{0.85}Mg_{0.15}O_3$	1123			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	1173			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	1223			0.21	1673	air	SSR
63	$LaSc_{0.85}Mg_{0.15}O_3$	1273			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	873			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	923			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	973			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1023			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1073			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1123			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1173			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1223			0.21	1673	air	SSR
64	$LaSc_{0.8}Mg_{0.2}O_3$	1273			0.21	1673	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	773			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	823			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	873			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	923			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	973			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	1023			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	1073			0.21	1873	air	SSR
65	$La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$	1123			0.21	1873	air	SSR
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	673			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	723			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	773			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	823			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	873			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	923			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	973			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	1023			0.21	1573	air	CS
66	$Pr_{0.7}Sr_{0.3}Co_{0.8}Mn_{0.2}O_3$	1073			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	673			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	723			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	773			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	823			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	873			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	923			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	973			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	1023			0.21	1573	air	CS
67	$Pr_{0.7}Sr_{0.3}Co_{0.6}Mn_{0.4}O_3$	1073			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	673			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	723			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	773			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	823			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	873			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	923			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	973			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	1023			0.21	1573	air	CS
68	$Pr_{0.5}Sr_{0.5}Co_{0.8}Mn_{0.2}O_3$	1073			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	673			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	723			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	773			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	823			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	873			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	923			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	973			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	1023			0.21	1573	air	CS
69	$Pr_{0.5}Sr_{0.5}Co_{0.6}Mn_{0.4}O_3$	1073			0.21	1573	air	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	873	0.019		0.21	1873	O2	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	973	0.019		0.21	1873	O2	CS
70	$La_{0.9}Ba_{0.1}In_{0.9}Sc_{0.1}O_3$	1073	0.019		0.21	1873	O2	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	690			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	714			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	741			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	769			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	800			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	833			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	870			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	909			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	952			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	1000			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	1053			0.21	1673	air	CS
71	$La_{0.8}Sr_{0.2}Sc_{0.2}Mn_{0.8}O_3$	1111			0.21	1673	air	CS
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR

72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
72	$La_{0.3}Sr_{0.7}Co_{0.7}Ti_{0.3}O_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
73	$La_{0.9}Sr_{0.1}ScO_3$	873	0.019		0.21	1873	air	CS
73	$La_{0.9}Sr_{0.1}ScO_3$	973	0.019		0.21	1873	air	CS
73	$La_{0.9}Sr_{0.1}ScO_3$	1073	0.019		0.21	1873	air	CS
74	$La_{0.9}Ba_{0.1}YbO_3$	773	0.019		0.21	1973	air	SSR
74	$La_{0.9}Ba_{0.1}YbO_3$	973	0.019		0.21	1973	air	SSR
74	$La_{0.9}Ba_{0.1}YbO_3$	1173	0.019		0.21	1973	air	SSR
75	$Nd_{0.9}Sr_{0.1}InO_3$	873	0.019		0.21	1773	air	SSR
75	$Nd_{0.9}Sr_{0.1}InO_3$	973	0.019		0.21	1773	air	SSR
75	$Nd_{0.9}Sr_{0.1}InO_3$	1073	0.019		0.21	1773	air	SSR
76	$Sm_{0.9}Sr_{0.1}InO_3$	873	0.019		0.21	1773	air	SSR
76	$Sm_{0.9}Sr_{0.1}InO_3$	973	0.019		0.21	1773	air	SSR
76	$Sm_{0.9}Sr_{0.1}InO_3$	1073	0.019		0.21	1773	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	873			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	923			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	973			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1023			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1073			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1123			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1173			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1223			0.21	1673	air	SSR
77	$La_{0.95}Ca_{0.05}ScO_3$	1273			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	873			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	923			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	973			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1023			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1073			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1123			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1173			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1223			0.21	1673	air	SSR
78	$La_{0.9}Ca_{0.1}ScO_3$	1273			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	873			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	923			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	973			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1023			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1073			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1123			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1173			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1223			0.21	1673	air	SSR
79	$La_{0.85}Ca_{0.15}ScO_3$	1273			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	873			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	923			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	973			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1023			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1073			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1123			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1173			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1223			0.21	1673	air	SSR
80	$La_{0.8}Ca_{0.2}ScO_3$	1273			0.21	1673	air	SSR
81	$La_{0.8}Sr_{0.2}MnO_3$	690			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	714			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	741			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	769			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	800			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	833			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	870			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	909			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	952			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	1000			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	1053			0.21	1673	air	CS
81	$La_{0.8}Sr_{0.2}MnO_3$	1111			0.21	1673	air	CS
82	$La_{0.7}Sr_{0.3}MnO_3$	573			0.21	1723	air	
82	$La_{0.7}Sr_{0.3}MnO_3$	673			0.21	1723	air	
82	$La_{0.7}Sr_{0.3}MnO_3$	773			0.21	1723	air	
82	$La_{0.7}Sr_{0.3}MnO_3$	873			0.21	1723	air	
82	$La_{0.7}Sr_{0.3}MnO_3$	973			0.21	1723	air	

82	$La_{0.7}Sr_{0.3}MnO_3$	1073			0.21	1723	air	
82	$La_{0.7}Sr_{0.3}MnO_3$	1173			0.21	1723	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	714			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	800			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	909			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	1053			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	1111			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	1176			0.21	1423	air	
83	$La_{0.9}Sr_{0.1}CoO_3$	1250			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	714			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	800			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	909			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	1053			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	1111			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	1176			0.21	1423	air	
84	$La_{0.6}Sr_{0.4}CoO_3$	1250			0.21	1423	air	
85	$La_{0.9}Sr_{0.1}CrO_3$	473			0.21	1823	air	CS
85	$La_{0.9}Sr_{0.1}CrO_3$	673			0.21	1823	air	CS
85	$La_{0.9}Sr_{0.1}CrO_3$	873			0.21	1823	air	CS
85	$La_{0.9}Sr_{0.1}CrO_3$	1073			0.21	1823	air	CS
85	$La_{0.9}Sr_{0.1}CrO_3$	1273			0.21	1823	air	CS
86	$La_{0.85}Sr_{0.15}CrO_3$	473			0.21	1823	air	CS
86	$La_{0.85}Sr_{0.15}CrO_3$	673			0.21	1823	air	CS
86	$La_{0.85}Sr_{0.15}CrO_3$	873			0.21	1823	air	CS
86	$La_{0.85}Sr_{0.15}CrO_3$	1073			0.21	1823	air	CS
86	$La_{0.85}Sr_{0.15}CrO_3$	1273			0.21	1823	air	CS
87	$La_{0.8}Sr_{0.2}CrO_3$	473			0.21	1823	air	CS
87	$La_{0.8}Sr_{0.2}CrO_3$	673			0.21	1823	air	CS
87	$La_{0.8}Sr_{0.2}CrO_3$	873			0.21	1823	air	CS
87	$La_{0.8}Sr_{0.2}CrO_3$	1073			0.21	1823	air	CS
87	$La_{0.8}Sr_{0.2}CrO_3$	1273			0.21	1823	air	CS
87	$La_{0.7}Sr_{0.3}CrO_3$	473			0.21	1823	air	CS
88	$La_{0.7}Sr_{0.3}CrO_3$	673			0.21	1823	air	CS
88	$La_{0.7}Sr_{0.3}CrO_3$	873			0.21	1823	air	CS
88	$La_{0.7}Sr_{0.3}CrO_3$	1073			0.21	1823	air	CS
88	$La_{0.7}Sr_{0.3}CrO_3$	1273			0.21	1823	air	CS
89	$La_{0.7}Ba_{0.3}CrO_3$	773			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	823			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	873			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	923			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	973			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	1023			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	1073			0.21	1873	air	SSR
89	$La_{0.7}Ba_{0.3}CrO_3$	1123			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	773			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	823			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	873			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	923			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	973			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	1023			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	1073			0.21	1873	air	SSR
90	$La_{0.75}Sr_{0.25}CrO_3$	1123			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	773			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	823			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	873			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	923			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	973			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	1023			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	1073			0.21	1873	air	SSR
91	$La_{0.7}Ba_{0.3}CrO_3$	1123			0.21	1873	air	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
92	$La_{0.3}Sr_{0.7}TiO_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
93	$Pr_{0.7}Sr_{0.3}CoO_3$	673			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	723			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	773			0.21	1573	air	CS

93	$Pr_{0.7}Sr_{0.3}CoO_3$	823			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	873			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	923			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	973			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	1023			0.21	1573	air	CS
93	$Pr_{0.7}Sr_{0.3}CoO_3$	1073			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	673			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	723			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	773			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	823			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	873			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	923			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	973			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	1023			0.21	1573	air	CS
94	$Pr_{0.7}Sr_{0.3}MnO_3$	1073			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	673			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	723			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	773			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	823			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	873			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	923			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	973			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	1023			0.21	1573	air	CS
95	$Pr_{0.5}Sr_{0.5}CoO_3$	1073			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	673			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	723			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	773			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	823			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	873			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	923			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	973			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	1023			0.21	1573	air	CS
96	$Pr_{0.5}Sr_{0.5}MnO_3$	1073			0.21	1573	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	673			0.21	1373	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	773			0.21	1373	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	873			0.21	1373	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	973			0.21	1373	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	1073			0.21	1373	air	CS
97	$Gd_{0.9}Ca_{0.1}CoO_3$	1173			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	673			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	773			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	873			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	973			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	1073			0.21	1373	air	CS
98	$Gd_{0.8}Ca_{0.2}CoO_3$	1173			0.21	1373	air	CS
99	$La_{0.1}Sr_{0.9}TiO_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
99	$La_{0.1}Sr_{0.9}TiO_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	773			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	823			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	873			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	923			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	973			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1023			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1073			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1123			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1173			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1223			0.21	1773	5 vol% hydrogen in argon	SSR
100	$La_{0.2}Sr_{0.8}TiO_3$	1273			0.21	1773	5 vol% hydrogen in argon	SSR
101	$SrZr_{0.9}Y_{0.1}O_3$	873	0.019		0.21	1873	air	SSR
102	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	873	0.019		0.21	1873	O_2	CS
102	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	973	0.019		0.21	1873	O_2	CS
102	$SrCe_{0.9}Sc_{0.05}Gd_{0.05}O_3$	1073	0.019		0.21	1873	O_2	CS
103	$Pr_{0.85}Sr_{0.15}CoO_3$	373			0.21	1573	air	CS
103	$Pr_{0.85}Sr_{0.15}CoO_3$	473			0.21	1573	air	CS
103	$Pr_{0.85}Sr_{0.15}CoO_3$	573			0.21	1573	air	CS

103	$Pr_{0.85}Sr_{0.15}CoO_3$	673			0.21	1573	air	CS
103	$Pr_{0.85}Sr_{0.15}CoO_3$	773			0.21	1573	air	CS