

Novel microstructural strategies to enhance the electrochemical performance of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_{3-\delta}$ cathodes

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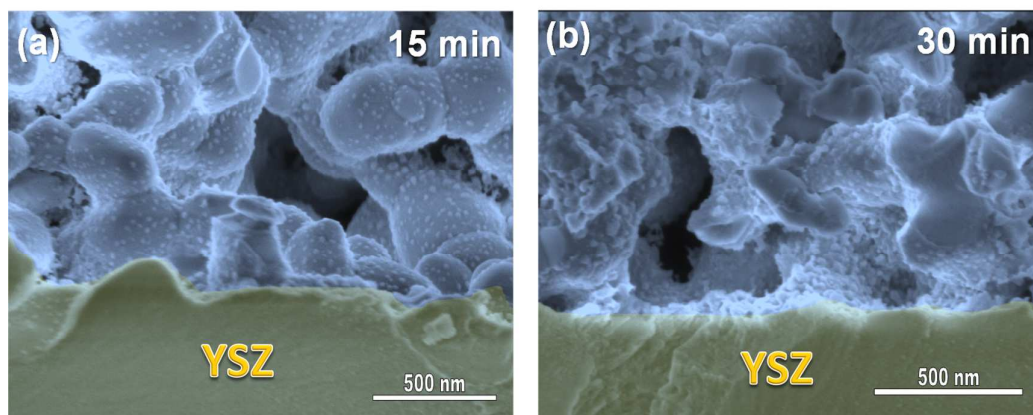


Figure S1. Microstructure of the LSM cathodes deposited on YSZ backbone for (a) 15 min and (b) 30 min.

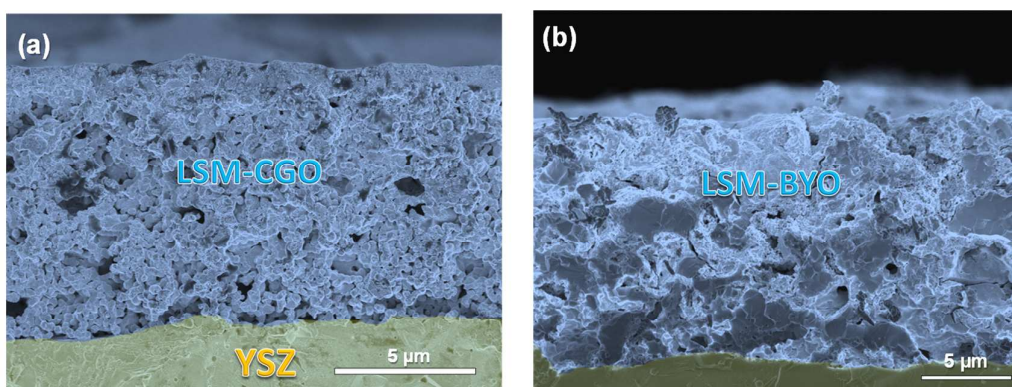


Figure S2. Microstructure of the LSM cathodes deposited on (a) CGO and (b) BYO after annealing at 750 °C for 4h.

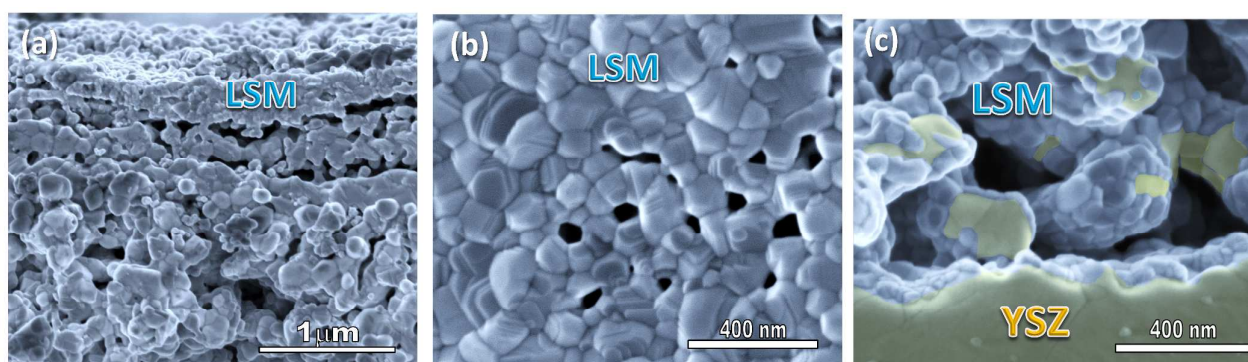


Figure S3. Microstructure of the LSM cathodes deposited on YSZ backbone (a) cross-section, (b) surface and (c) electrode/electrolyte interface after annealing at 950 °C for 4h.

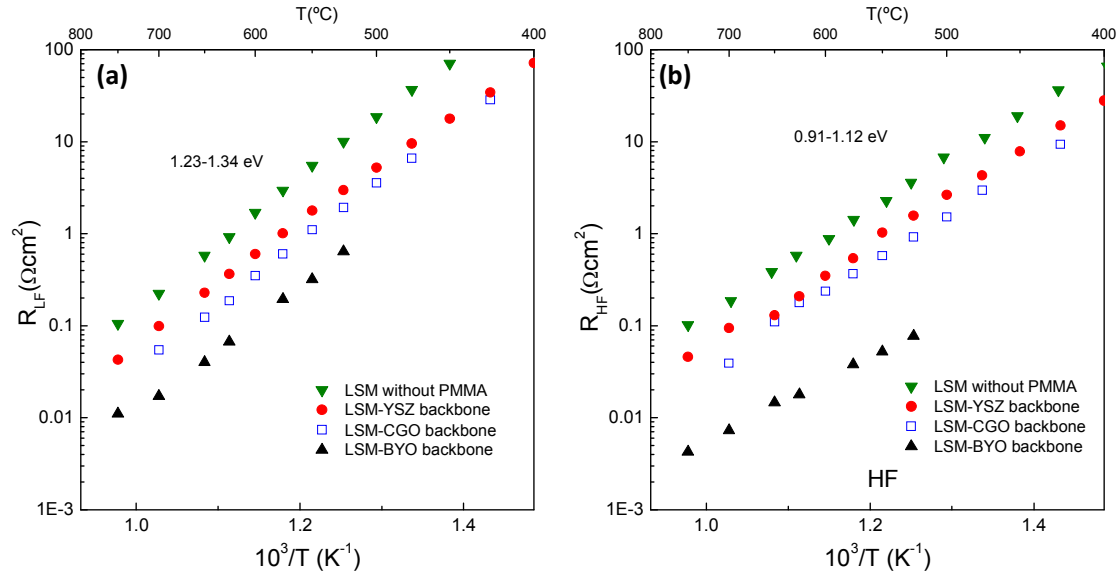


Figure S4. Temperature dependence of the (a) low and (b) high frequency resistance of the electrode contributions for the different cathodes after annealing at 750 °C for 4 h.

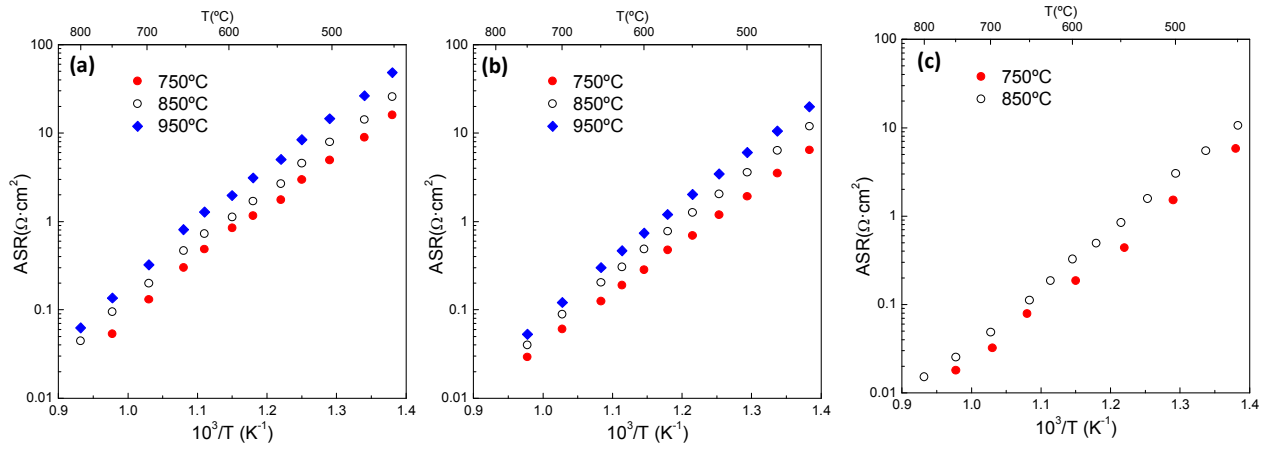


Figure S5. Temperature dependence of ASR for (a) LSM-YSZ, (b) LSM-CGO and (c) LSM-BYO cathodes as a function of the annealing temperature between 750 and 950 °C.