

Electronic supplementary information for

**Self-templating construction of mesopores on three-dimensionally
ordered macroporous $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ perovskite with enhanced
performance for soot combustion**

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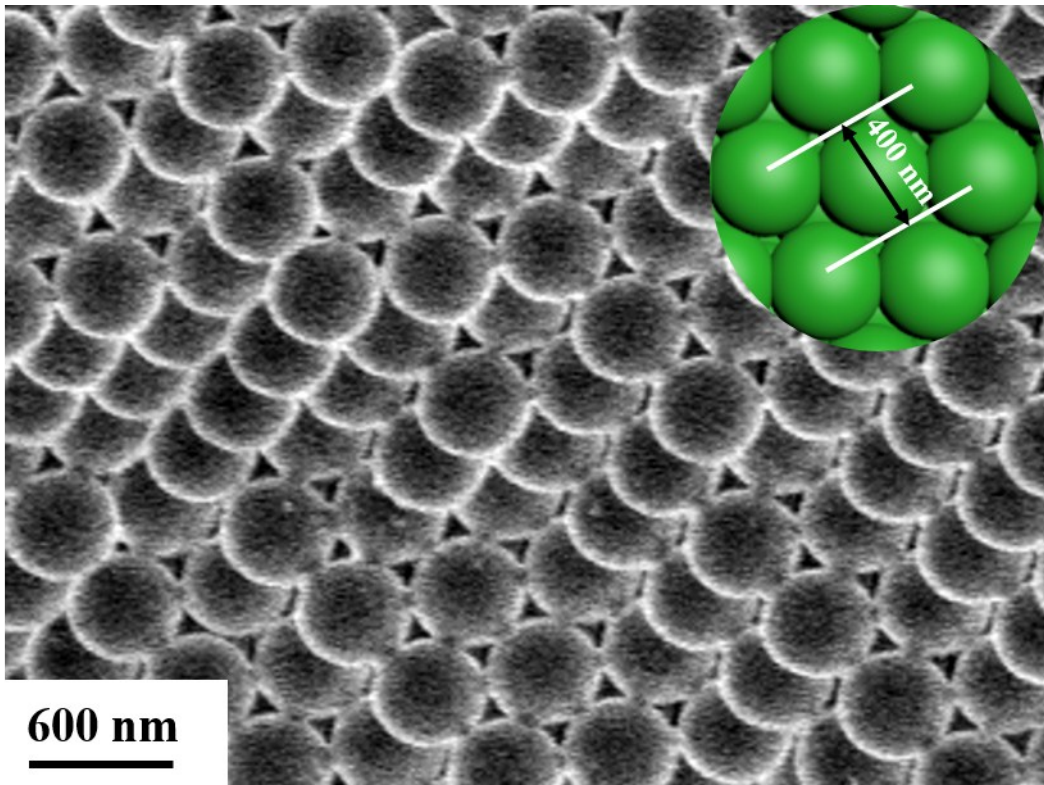


Fig. S1 FESEM images of as-prepared well-packed PMMA microspheres.

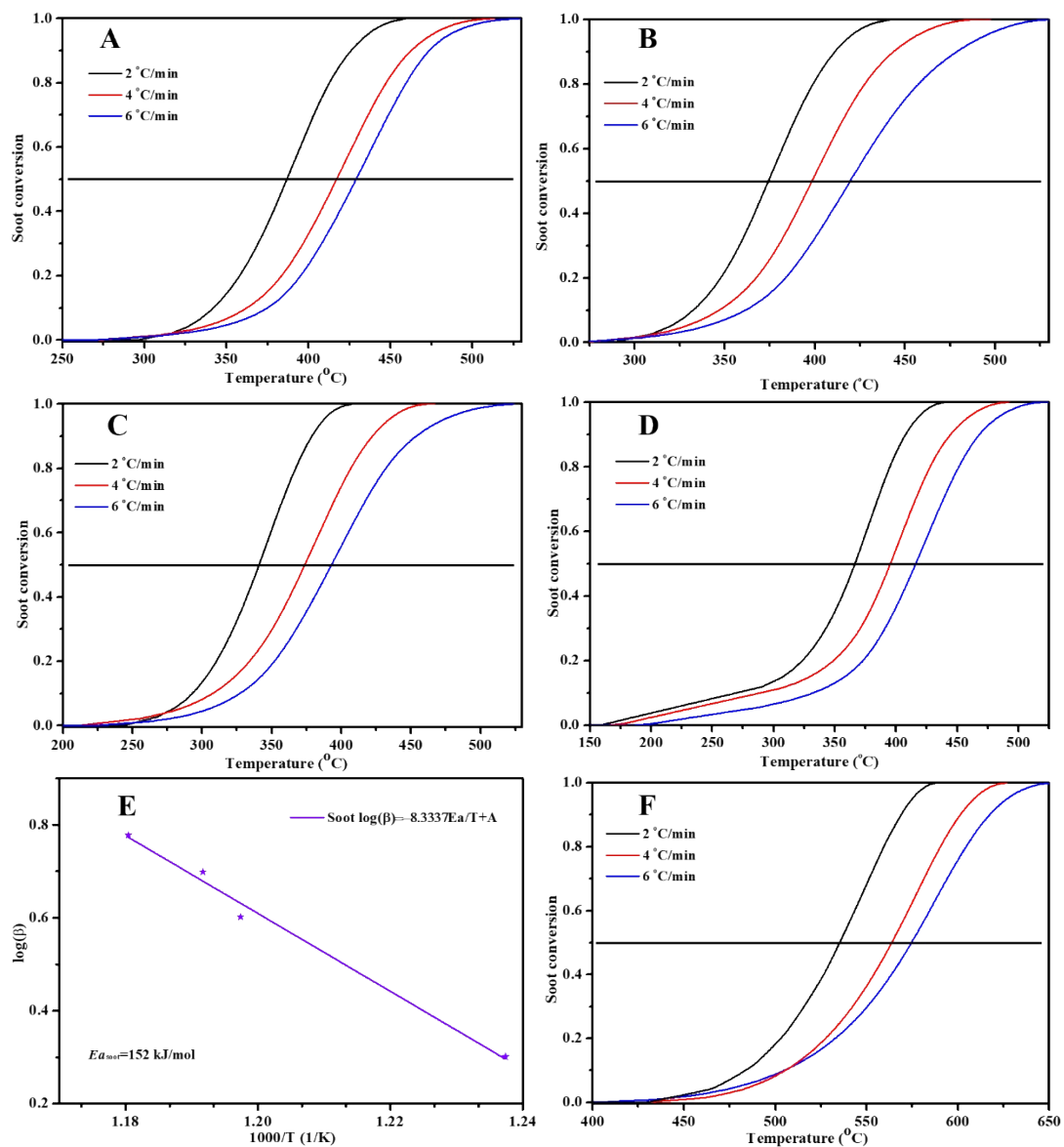


Fig. S2 Detail data of Ozawa method: (A) LSM-0; (B) LSM-1; (C) LSM-3; (D) LSM-5; (E) and (F) pure soot.