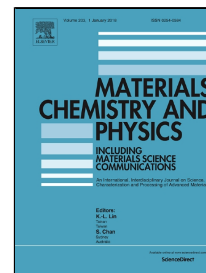


# Accepted Manuscript

Nano-structured Pd doped LaFe(Co)O<sub>3</sub> perovskite; synthesis, characterization and catalytic behavior

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- A relationship between catalytic activity and synthesis parameters was explained.
- Pd<sup>0</sup> nanoclusters segregate from Pd-doped perovskite in reductive atmosphere.
- Samples coprecipitated by ammonia possess higher surface area.
- The effect of Pd doping on CO oxidation is more sensible than methane oxidation.

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