Aging of automotive catalytic converters: Characterization and modeling of aged DOC and NSC

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Catalyst characterization:
- XRD
- Chemisorption
- TEM
- BET

Correlation?

Reaction kinetics:
- Kinetic measurements
- Macrokinetic model

TEM: Pt Particle Sizes

STEM/EDX Mapping:
- Mg
- Al
- Ce
- Ba
- Pt