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calcination

Heating to high temperatures in air or oxygen.
Notes:
1. The term is most likely to be applied to a step in the preparation of a catalyst.
2. In sol-gel processing the term applies to the heating of a polymer network containing metal compounds to convert it into an oxide network.
3. Modified from previous definition. The definition proposed here is more explicit about the elevated temperatures that are required.

Source:
PAC, 2007, *79*, 1801 *(Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007))* on page 1821

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