

Composition changes of hydrogen isotopologues during gas circulation and catalytic conversion – a time lapse movie

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Video legend:

Sequence of spectra, recorded in our capillary Raman system in near real time, following the stepwise injection of H₂/D₂ and the formation of HD during circulation through a platinum-based catalyst.

Tags:

hydrogen isotopologues, catalytic conversion, Raman spectroscopy, metal-lined capillary, quantitative analysis, real time monitoring