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SULPHATION AND CARBONIZATION OF OIL SHALE CFBC ASHES IN HETEROGENEOUS SYSTEMS

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To explain chemical reactivity of oil shale ashes formed in circulating fluidized bed boilers towards SO_2 and CO_2, heterogeneous gas–solid and gas–solid–water model systems were studied. For comparison, the ashes from boilers of pulverized firing were used. The effect of pre-treatment conditions, differences in chemical and phase composition as well as physical properties of the ashes on the binding parameters were estimated.

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