

Study of process of chromium reduction by carbon

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Abstract

Thermogravimetry study of reduction ability of chromium ore materials was carried out by carbo-thermal method. X-ray spectral microanalysis of ore samples from Saranovsk deposit after high-temperature carbothermal reduction was carried out. The dependences between chromium reduction degree, heating rate, and fraction composition of raw materials were revealed. The completeness of elements reduction as a function of depth of heat-treated chromium-ore materials was defined.

References

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