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Integral performance criterion of self-propagating high-temperature synthesis ferrosilid for optimization of charge composition

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Abstract

© 2017 Trans Tech Publications, Switzerland. An algorithm of optimization of the charge for metal-containing waste processing of metallurgical and foundry industries was developed. The processing method is based on the phenomenon of self-propagating high-temperature synthesis (SHS) of ferroalloys of the composition of dispersed waste without the use of external sources of heat due to internal energy.

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Keywords

Alloy cast iron, Charge, Corrosion, Integral performance criterion, Optimization, Self-propagating high-temperature synthesis, Silicon, Waste

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