

According to one aspect of the present invention, provided is a blast furnace operation method characterized in that a high-concentration hydrogen-containing gas which contains at least 80 mol% of hydrogen gas, is blown from a tuyere under certain conditions such as: a condition in which the blowing temperature of the high-concentration hydrogen-containing gas is room temperature to 300 °C, and the blown amount of hydrogen gas in the high-concentration hydrogen-containing gas is 200 Nm³/t to 500 Nm³/t; a condition in which the blowing temperature of the high-concentration hydrogen-containing gas is 300 °C to 600 °C, and the blown amount of hydrogen gas in the high-concentration hydrogen-containing gas is at least 145 Nm³/t; or a condition in which the blowing temperature of the high-concentration hydrogen-containing gas is 600 °C to 900 °C, and the blown amount of the high-concentration hydrogen-containing gas is at least 125 Nm³/t.