

## Spark plasma sintering of a composite ZnO – Zn cermet system

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*The influence of the main operating factors of the spark plasma sintering method (sintering temperature, pressure, and duration of isothermal holding) on the sintering of composite ZnO–Zn cermet system with different contents of the Zn phase were determined. Based on the obtained dependences of the density of the cermet composites on the Zn metal content, the optimal SPS sintering conditions for each composition are established, under which a homogeneous two-phase structure is maintained and the maximum values of density are achieved.*

*Keywords:* cermet, composite, spark plasma sintering, zinc, zinc oxide.

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