**Description**

Data for reacted MgB2 samples in an Infiltration and Growth process at varying heating conditions includes XRD patterns, phase quantification, Self-field Jc, hardness, SEM images, composition and schematics.

**Softwares**

Origin, Microsoft PowerPoint

**Subjects**

MgB2, Superconductivity, Infiltration and Growth

**Sponsorship**

EPSRC (Grant: EP/K031422/1)