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- 国内最近刊行誌参考記事目次**
- 学協会誌—
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- アルミニウムの冷間高速押し出し材の組織について. *大山致知*, 他…p. 277
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- Ge を含む Fe-Ni 系合金の再結晶処理における結晶粗大化と磁性の変化について. *一ノ瀬幸雄*…p. 301
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- 日本鑄物協会第68回講演大会講演概要.
- 塑性と加工**, 6 (1965) 51
- 衝撃引張り試験における細粒の純鉄と鋼の擬せい化現象. *作井誠太*…p. 195
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- 研究機関誌—
- 金属材料技術研究所研究報告**, 8 (1965) 2
- 含クロム・ニッケル鉄鉱石(ラテライト)の撰採塩化焙焼について. *郡司好喜*, 他…p. 103
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- 富士製鉄技報**, 14 (1965) 1
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