

Table of Contents

Abstracts: Non-Ferrous Alloys	1
Abstracts: Ferrous Alloys: Pure Iron; Simple Alloys; Carbon Steels; Cast Iron; Low-Alloy Steels; High-Alloy Steels	141
Abstracts: Semiconductors	225
Abstracts: Halides	231
Abstracts: Oxides: Simple Oxides; Spinels, Garnets, and other Complex Oxides	233
Abstracts: Carbon and Carbides	251
Abstracts: Nitrides	257
Abstracts: Sulfides and Selenides	265
Abstracts: Miscellaneous	269
Abstracts: General References: Brittle Fracture: Apparatus and Specimens; Crack Propagation Models; Data Analysis; Experimental Techniques; Fracture Criteria; Fracture Surface Characterization; Fracture Toughness Prediction	275
Abstracts: General References: Creep; Ductile Fracture; Elastic Constants; Elastic Deformation and Yield Point; Environmental Effects; Fatigue; Hardness; Irradiation Effects	303
Abstracts: General References: Plastic Deformation and UTS: Deformation Theory; Experimental Techniques; General Material Classes; Specific Material Classes; Superplasticity; Texture Development and Effects	344