

[List of the articles which will be published in materials science and engineering A]

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*List of the articles which will be published
in Materials Science and Engineering A*

- T. G. LANGDON:** The Physics of Superplastic Deformation
- M. M. MYSHLYAEV, M. M. KAMALOV:** On the Creep of Single-Phase Materials with Essentially Non-Equilibrium Structure State
- P. MALEK:** Superplasticity in an Al-Zn-Mg-Cu Alloy
- M. A. KORHONEN, H. WILSON, R.-C. KUD, CHE-YU LI:** Superplastic-Like Deformation in Some Solid Solution Alloys
- R. Z. VALIEV, N. A. KRASILNIKOV, N. K. TSENEV:** Plastic Deformation of Alloys with Submicron Grained Structure
- B. BAUDELET:** Industrial Aspects of Superplasticity
- D. N. SEIDMAN:** Solute-Atom Segregation at Internal Interfaces on an Atomic Scale: Atom-Probe Experiments and Computer Simulations
- V. PAIDAR, P. P. PAL-VAL, J. GEMPERLOVÁ:** Slip in the {112} Bicrystals with Asymmetrical Orientations of the Loading Axis
- H. JONES:** Formation of Microstructure in Rapidly Solidified Materials and Its Effect on Properties
- P. VOSTRY, I. STULIKOVÁ, B. SMOLA, W. RIEHEMANN, B. L. MORDIKE:** Structure and Stability of Microcrystalline Mg-Ca Alloy
- H.-E. SCHAEFER:** Structure and Properties of Nanocrystalline Materials
- R. A. VARIN, M. B. WINNICKA:** Plasticity of Structural Intermetallic Compounds
- P. HAASEN:** The Brittle to Ductile Transition in Silicon as a Model for Intermetallics
- A. SEEGER:** The Role of Self-Organization in Crystal Plasticity
- M. BOČEK, J.-H. CHOI:** Stored Energy and Structural Instability in High Temperature Plastic Flow
- A. FRANĚK, J. KRATOCHVIL, M. SAXLOVÁ, R. SEDLÁČEK:** Synergetic Approach to Work-Hardening of Metals
- Y. ESTRIN, L. P. KUBIN:** Plastic Instabilities Phenomenology and Theory
- J. SCHLIPF:** Collective Dynamic Aging of Moving Dislocations
- B. OBST, A. NYILAS:** Experimental Evidence on the Dislocation Mechanisms of Serrated Yielding in FCC Metals and Alloys at Low Temperatures

- Z. TROJANOVÁ, P. LUKÁČ, F. KRÁL, R. KRÁL, F. F. LAVRENTEV, V. N. NIKIFORENKO: Discontinuous Low Temperature Deformation of Zr-Sn Alloys
- M. FELLNER, M. HAMERSKÝ, E. PINK: A Comparison of the Portevin-LeChâtelier Effect in Constant-Strain-Rate and Constant-Stress-Rate Tests
- J. FIALA, L. KLOC, J. ČADEK: Creep in Metals at Intermediate Temperatures and Low Stresses: A Review
- R. BEHRENSMEIER, H. G. BRION, H. SIETHOFF, P. VEYSSIÈRE, P. HAASEN: High Temperature Creep and TEM of GaAs
- G. SAADA: Cross-Slip and Work-Hardening of FCC Crystals
- A. Y. ABDELLATIEF, P. KRATOCHVIL: Dynamic Softening of Spinodal Alloy Cu₉Ni₆Sn During Hot Deformation