Preface

Materials Research Society Symposium Proceedings

Crystallization of Amorphous Alloys

Microstructural Design by Controlled Crystallization of Metallic Glasses

Effects of Positive Feedback on Crystallization Kinetics and Recrystallization

Amorphization and Devitrification of Al-Transition Metal-Rare Earth Alloys

Early Stages of Al-Nanocrystal Formation in Al[subscript 92]Sm[subscript 8]

Modifications of the Phase Selection During the Crystallization of Amorphous Al-Y-Fe

TEM Studies of Devitrification Products in Al-Gd-Ni-(Fe) Alloys

Microstructure and Ternary Phases in Al-Rich Al-Y-Ni Alloys


Quasicrystals from Metallic Glasses

Stability and Icosahedral Transformation of Supercooled Liquid in Metal-Metal Type Bulk Glassy Alloys

Influence of Al on Quasicrystal Formation in Zr-Ti-Nb-Cu-Ni-Al Metallic Glasses

Topological and Chemical Short-Range Order in Undercooled and Stable Melts of Al[subscript 13](Co,Fe) Bulk Alloys


Quasicrystal Formation in a Zr-Based Bulk Metallic Glass

Processing, Glass Forming Ability, and Novel Alloys

Metallic Glass Fluid Flow During Welding Using Self-Propagating Reactive Multilayer Foils

Formation of High-Strength Zr-Nb-Cu-Ni-Al Alloys by Warm Extrusion of Gas Atomized Powders

Solidification Modeling of Bulk Amorphous Alloys

An Isotropic Glass Phase in Al-Fe-Si Formed by a First Order Transition

New Calcium Based Bulk Metallic Glasses

Development of Amorphous Metals Using High Throughput Experiments

Devitrification Mechanisms in Al-Y-Ni Glasses

Amorphous Alloy Formation in Immiscible Cu-Ta and Cu-W Systems by Atomistic Modeling and Ion-Beam Mixing

Non-Equilibrium Technology of Obtaining Nanoamorphous Metals

Synthesis and Characterization of Amorphous Metallic Alloy Thin Films for MEMS Applications

Infiltration Processing of Tungsten-Reinforced Bulk-Amorphous Metal Matrix Composites

Microstructure, Thermal Stability and Mechanical Properties of Slowly Cooled Zr-Based Composites Containing Dendritic bcc Phase Precipitates

Deposition of Silver Nanoparticles on Yttrium Manganese Oxide Powders
<table>
<thead>
<tr>
<th>Electrochemical Reactivity of Zirconium-Based Bulk Metallic Glasses</th>
<th>p. 369</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidation of Amorphous Zr&lt;sub&gt;70&lt;/sub&gt;Pd&lt;sub&gt;30&lt;/sub&gt; and Coarse Crystalline Zr&lt;sub&gt;2&lt;/sub&gt;Pd</td>
<td>p. 381</td>
</tr>
<tr>
<td>Bulk Metallic Glasses for Industrial Products; New Structural and Functional Applications</td>
<td>p. 387</td>
</tr>
<tr>
<td>Increased, Directed Osteoblast Adhesion at Nanophase Ti and Ti6Al14V Particle Boundaries</td>
<td>p. 393</td>
</tr>
<tr>
<td>Molding of Fine Surface Features Into Bulk Metallic Glass</td>
<td>p. 399</td>
</tr>
<tr>
<td>Catalytic Properties of High-Density Monodispersive Metal Nanostructures</td>
<td>p. 405</td>
</tr>
<tr>
<td>Author Index</td>
<td>p. 411</td>
</tr>
<tr>
<td>Subject Index</td>
<td>p. 415</td>
</tr>
</tbody>
</table>

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.