



Nanostructured Materials By High-Pressure Severe Plastic Deformation

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severe plastic deformation methods to achieve ... - severe plastic deformation methods to achieve nanostructured materials severe plastic deformation by high pressure torsion

nanostructured materials by high pressure severe plastic ... - nanostructured materials by high pressure severe plastic ... by high pressure severe plastic deformation, ... nanostructured materials by high pressure severe ...

x-ray studies of nanostructured metals processed by severe ... - processed by severe plastic

deformation ... severe plastic deformation, nanostructured materials, ... severe plastic deformation (spd), namely high pressure torsion ...

severe plastic deformation (spd) and nanostructured ... - nanostructured materials ... severe plastic deformation (spd) and nanostructured ... has focused renewed attention on the use of severe plastic deformation ...

nanomaterials by severe plastic deformation iv - nanomaterials by severe plastic deformation iv ... grained and nanostructured materials, produced by severe ... use of ring sample for high-pressure torsion and ...

superstrength of nanostructured metals and alloys produced ... - high pressure [2]. ... keywords: ultrafinegrained materials, severe plastic deformation, strength, ... "bulk nanostructured materials"; ...

bulk nanostructured metals by severe plastic deformation (spd) - bulk nanostructured metals by severe plastic deformation (spd) ... keywords: spd, bulk nanostructured materials, mechanical ... 2.3 high pressure torsion ...

severe plastic deformation by machining characterized by ... - severe plastic deformation by machining characterized by finite element ... ducing bulk nanostructured materials. ... can be used for severe plastic deformation of ...

thermally stable nanostructured materials from severe ... - thermally stable nanostructured materials from severe plastic deformation of ... angular pressing or high-pressure ... pid hardening in nanostructured materials ...

nanostructured materials by high pressure severe plastic ... - ... nanostructured materials by high pressure severe plastic ... plastic deformation pdf subject: nanostructured materials by high pressure severe plastic ...

i: reasons to use nanostructured materials - ... reasons to use nanostructured materials ... to conventional and severe plastic deformation ... influence of the processing parameters at high pressure torsion ...

microstructural evolution and phase stability of cu/nb ... - nanolaminates subjected to severe plastic deformation by high pressure torsion by ... "bulk nanostructured materials from severe plastic deformation," prog.

grain refinement through severe plastic deformation (spd ... - grain refinement through severe plastic deformation ... nanostructured materials, severe plastic ... refinement through severe plastic deformation ...

bulk nanostructured materials processed by severe plastic ... - bulk nanostructured materials processed by severe plastic deformation severe plastic deformation (spd). bulk nanostructured ... (ecap) and high pressure ...

nanostructuring of metals by severe plastic deformation ... - figure 1 principles of severe plastic deformation techniques. a, high-pressure torsion: a sample is held ... nanostructured materials by severe plastic

saturation of fragmentation during severe plastic deformation - saturation of fragmentation during severe plastic ... ent types of bulk nanostructured materials ... microstructural changes due to severe plastic deformation ...

chapter 2 nanostructures in materials subjected to severe ... - to severe plastic deformation ... bulk nanostructured materials with multifunctional properties, ... high pressure contributes to the enhancement of deformability of the

comprehensive defect characterization of different iron ... - comprehensive defect characterization of different iron samples after severe plastic deformation ... bulk nanostructured materials produced ... of high pressure ...

using severe plastic deformation for the processing of ... - using severe plastic deformation for the processing of advanced engineering materials ... in the processing of advanced engineering

materials.

effects of grain size on mechanical properties of ... - properties of nanostructured ... plastic analysis, deformation, materials ... properties of nanostructured copper alloy by severe plastic deformation ...

review on ultrafined/nanostructured magnesium alloys ... - journal of ultrafine grained and nanostructured materials vol.48 ... school of materials ... in magnesium alloys during severe plastic deformation was

nanomaterials by severe plastic deformation - gbv - nanomaterials by severe plastic deformation ... in nanostructured materials produced by severe plastic ... formation during high pressure ...

on the nature of high-strength state of carbon steel ... - ... state of carbon steel produced by severe plastic deformation ... of nanostructured materials. ... deformation was performed via high pressure ...

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b c severe plastic deformation in gum metal with ... - severe plastic deformation in gum metal ... for obtaining nanostructured materials. in particular, high-pressure torsion ... those of other nanostructured materials ...

nanocrystalline ti produced by cryomilling and ... - nanocrystalline ti produced by cryomilling and consolidation by severe ... of nanostructured materials produced ... plastic deformation via high pressure ...

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research group - physics of nanostructured materials - research group ' physics of nanostructured materials ' ... materials obtained by severe plastic deformation, ... potential of bulk nanostructured materials .

deformation processing of massive nanostructured materials - massive nanostructured materials deformation processing of initially polycrystalline material ... (ecap) or high pressure torsion ... severe plastic deformation, ...

application of ebsd technique to ultrafine grained and ... - nanostructured materials processed by severe plastic deformation: ... and nanostructured materials processed by severe plastic ... high pressure torsion ...

nanostructure, texture evolution and mechanical properties ... - processed by severe plastic deformation ... nanostructured materials for metallic sheets, ... nanostructure, texture evolution and mechanical properties of

nanomaterials by severe plastic deformation: nanospd5 - nanomaterials by severe plastic deformation ... of bulk metallic materials via severe plastic deformation ... by severe plastic deformation ...

mechanical alloying of cu and fe induced by severe plastic ... - mechanical alloying of cu and fe induced by severe plastic deformation of ... to produce nanostructured metallic materials. ... processed by high pressure and ...

severe plastic deformation of metals - severe plastic deformation of metals 169 in high angle boundary area. the second is the creation of high angle boundaries by grain subdivision mechanisms.

growth of nanosized chemically ordered domains in ... - growth of nanosized chemically ordered domains in intermetallic FeAl made nanocrystalline by severe plastic deformation ... materials e.g. by high pressure ...

processing of nanostructured metals and alloys via plastic ... - nanostructured materials ... approaches involve the application of large plastic deformation, in which materials ... ecap is the most popular severe-plastic ...