

El-Eskandarany, MS; Saida, J; Inoue, A

Amorphization and crystallization behaviors of glassy Zr₇₀Pd₃₀ alloys prepared by different techniques

Acta Mater. 50 (2002) 2725 – 2736

02-IMR0421

Abe, E; Kawamura, Y; Hayashi, K; Inoue, A

Long-period ordered structure in a high-strength nanocrystalline Mg-1 at% Zn-2 at% Y alloy studied by atomic-resolution Z-contrast STEM

Acta Mater. 50 (2002) 3845 – 3857

02-IMR0422

Pang, SJ; Zhang, T; Asami, K; Inoue, A

Synthesis of Fe-Cr-Mo-C-B-P bulk metallic glasses with high corrosion

Acta Mater. 50 (2002) 489 – 497

02-IMR0420

Yavari, AR; Le Moulec, A; Inoue, A; Vaughan, G; Kvick, A

Processing of bulk glass forming alloys in high energy synchrotron

Ann. Chim.-Sci. Mat. 27 (2002) 107 – 112

02-IMR0423

Saida, J; Kasai, M; Matsubara, E; Inoue, A

Stability of glassy state in Zr-based glassy alloys correlated with nano icosahedral phase

Ann. Chim.-Sci. Mat. 27 (2002) 77 – 89

02-IMR0343

Louzguine, DV; Ko, MS; Inoue, A

Nanoscale cF96 cubic versus icosahedral phase in devitrified Hf-based metallic

Ann. Chim.-Sci. Mat. 27 (2002) 91 – 97

02-IMR0424

Louzguine, DV; Louzguina, LV; Inoue, A

Factors influencing glass formation in rapidly solidified Si,Ge-Ni and Si,Ge-Ni-Nd

Appl. Phys. Lett. 80 (2002) 1556 – 1558

02-IMR0427

Zhang, W; Inoue, A

Bulk nanocomposite permanent magnets produced by crystallization of (Fe,Co)-(Nd,Dy)-B bulk glassy alloy

Appl. Phys. Lett. 80 (2002) 1610 – 1612

02-IMR0428

Saida, J; Ishihara, S; Kato, H; Inoue, A; Chen, HS

Suppression of quasicrystallization by nonlinear viscous flow in Zr-Al-Ni-Cu-Pd glassy

Appl. Phys. Lett. 80 (2002) 4708 – 4710

02-IMR0429

Nishiyama, N; Inoue, A

Glass-forming ability of Pd_{42.5}Cu₃₀Ni_{7.5}P₂₀ alloy with a low critical cooling rate of 0.067

Appl. Phys. Lett. 80 (2002) 568 – 570

02-IMR0425

Jiang, JZ; Saksli, K; Saida, J; Inoue, A; Franz, H; Messel, K; Lathe, C

Evidence of polymorphous amorphous-to-quasicrystalline phase transformation in Zr_{66.7}Pd_{33.3} metallic glass

Appl. Phys. Lett. 80 (2002) 781 – 783

02-IMR0426

de Oliveira, MF; Botta, WJ; Kiminami, CS; Inoue, A; Yavari, AR

Electromechanical engraving and writing on bulk metallic

Appl. Phys. Lett. 81 (2002) 1606 – 1608

02-IMR0430

Louzguine, DV; Inoue, A

Evaluation of the thermal stability of a Cu₆₀Hf₂₅Ti₁₅ metallic

Appl. Phys. Lett. 81 (2002) 2561 – 2562

02-IMR0431

Pang, SJ; Zhang, T; Asami, K; Inoue, A

Bulk glassy Fe-Cr-Mo-C-B alloys with high corrosion

Corrosion Sci. 44 (2002) 1847 – 1856

02-IMR0432

Hara, S; Hatakeyama, N; Itoh, N; Kimura, HM; Inoue, A

Hydrogen permeation through palladium-coated amorphous Zr-M-Ni (M = Ti, Hf) alloy

Desalination 144 (2002) 115 – 120

02-IMR0433

Li, C; Wang, L; Inoue, A

Precipitation of icosahedral quasicrystalline phase in Zr-Cu-Rh metallic glasses: dependence of particle size on Rh concentration

Eur. Phys. J.-Appl. Phys 18 (2002) 109 – 113

02-IMR0434

Mukai, T; Nieh, TG; Kawamura, Y; Inoue, A; Higashi, K

Effect of strain rate on compressive behavior of a Pd₄₀Ni₄₀P₂₀ bulk metallic

Intermetallics 10 (2002) 1071 – 1077

02-IMR0435

Saida, J; Matsushita, M; Inoue, A

Nano icosahedral quasicrystals in Zr-based glassy

Intermetallics 10 (2002) 1089 – 1098

02-IMR0436

Yokoyama, Y; Fukaura, K; Inoue, A

Cast structure and mechanical properties of Zr-Cu-Ni-Al bulk glassy

Intermetallics 10 (2002) 1113 – 1124

02-IMR0437

Nishiyama, N; Inoue, A

Stability and nucleation behavior of glass-forming Pd-Cu-Ni-P alloy with a critical cooling rate of 0.067 K/s

Intermetallics 10 (2002) 1141 – 1147

02-IMR0438

Saotome, Y; Imai, K; Shioda, S; Shimizu, S; Zhang, T; Inoue, A

The micro-nanoformability of Pt-based metallic glass and the nanoforming of three-dimensional structures

Intermetallics 10 (2002) 1241 – 1247

02-IMR0439

Wang, LM; Li, CF; Ma, LQ; Inoue, A

Microstructure and crystallization of melt-spun Ti-Ni-Zr-Y

J. Alloy. Compd. 339 (2002) 216 – 220

02-IMR0440

Yamamura, SI; Kim, HY; Kimura, H; Inoue, A; Arata, Y

Thermal stabilities and discharge capacities of melt-spun Mg-Ni-based amorphous

J. Alloy. Compd. 339 (2002) 230 – 235

02-IMR0441

Louzguine, DV; Inoue, A

Structure and transformation behaviour of rapidly solidified Ni-Al-Hf

J. Alloy. Compd. 340 (2002) 151 – 156

02-IMR0442

Saida, J; Matsushita, M; Inoue, A

Nano icosahedral phase in Zr-Pd and Zr-Pt binary

J. Alloy. Compd. 342 (2002) 18 – 23

02-IMR0443

Hasegawa, M; Tamura, R; Asao, TA; Yagi, T; Takeuchi, S; Inoue, A

Stability and compression behavior of approximants in Al-Pd-Os system under high pressures up to 70 GPa

J. Alloy. Compd. 342 (2002) 232 – 236

02-IMR0444

Yamaura, S; Kim, HY; Kimura, H; Inoue, A; Arata, Y

Electrode properties of rapidly solidified Mg₆₇Ni₂₃Pd₁₀ amorphous

J. Alloy. Compd. 347 (2002) 239 – 243

02-IMR0445

Long, Y; Zhang, W; Wang, XM; Inoue, A

Effects of transition metal substitution on the glass-formation ability and magnetic properties of Fe₆₂Co_{9.5}Nd₃Dy_{0.5}B₂₅ glassy alloy

J. Appl. Phys. 91 (2002) 5227 – 5229

02-IMR0446

Zhang, W; Inoue, A

Bulk nanocomposite permanent magnets produced by crystallization of Fe_{66.5}Co₁₀Pr_{3.5}B₂₀ bulk glassy alloy

J. Appl. Phys. 91 (2002) 8834 – 8836

02-IMR0447

Jiang, JZ; Saksl, K; Nishiyama, N; Inoue, A

Crystallization in Pd₄₀Ni₄₀P₂₀

J. Appl. Phys. 92 (2002) 3651 – 3656

02-IMR0448

Asami, K; Pang, SJ; Zhang, T; Inoue, A

Preparation and corrosion resistance of Fe–Cr–Mo–C–B–P bulk glassy

J. Electrochem. Soc. 149 (2002) B366 – B369

02-IMR0449

Yoshida, H; Shima, T; Takahashi, T; Kaneko, T; Suzuki, T; Kimura, HM; Asami, K; Inoue, A

Magnetic properties of

J. Magn. Magn. Mater. 239 (2002) 5 – 7

02-IMR0451

Louzguine, DV; Inoue, A

Investigation of structure and properties of the Al–Y–Ni–Co–Cu metallic

J. Mater. Res. 17 (2002) 1014 – 1018

02-IMR0455

Yamaura, SI; Sasamori, KI; Kimura, H; Inoue, A; Zhang, YC; Arata, Y

Hydrogen absorption of nanoscale Pd particles embedded in ZrO₂ matrix prepared from Zr–Pd amorphous alloys

J. Mater. Res. 17 (2002) 1329 – 1334

02-IMR0456

Louzguine, DV; Inoue, A

Nanocrystallization of Cu–(Zr or Hf)–Ti metallic

J. Mater. Res. 17 (2002) 2112 – 2120

02-IMR0457

El-Eskandarany, MS; Zhang, W; Inoue, A

Mechanically induced solid–state reaction for synthesizing glassy Co₇₅Ti₂₅ soft magnet alloy powders with a wide supercooled liquid region

J. Mater. Res. 17 (2002) 2447 – 2456

02-IMR0458

Yamaura, S; Isogai, K; Kimura, H; Inoue, A

Electrochemical and thermal properties of hydrogen–absorbed Mg₆₇Ni₂₈Pd₅ amorphous

J. Mater. Res. 17 (2002) 60 – 64

02-IMR0452

Wang, LM; Li, CF; Ma, LQ; Inoue, A

Formation of Zr₇₀Ni₂₃Ti₇ glassy alloy and phase transformation upon

J. Mater. Res. 17 (2002) 693 – 696

02-IMR0453

Pang, SJ; Zhang, T; Asami, K; Inoue, A

Formation of bulk glassy Fe_{75-x-y}Cr_xMoyC15B10 alloys and their corrosion

J. Mater. Res. 17 (2002) 701 – 704

02-IMR0454

Ma, LQ; Wang, L; Guo, X; Zhang, T; Inoue, A

Enhanced glass-forming ability and microhardness of Ti₄₅Zr₅Cu₂₅Ni₂₀Sn₅ amorphous alloy by addition of TiC particles

J. Mater. Sci. Lett. 21 (2002) 1435 – 1437

02-IMR0459

Inoue, A; Zhang, W; Zhang, T; Kurosaka, K

Cu-based bulk glassy alloys with high tensile strength of over 2000

J. Non-Cryst. Solids 304 (2002) 200 – 209

02-IMR0460

Yavari, AR; Botta, WJ; Rodrigues, CAD; Greer, AL; Uriate, JL; Huenen, G; Vaughan, G; Inoue, A

FeNiB-based metallic glasses with fcc crystallisation

J. Non-Cryst. Solids 304 (2002) 44 – 50

02-IMR0461

Li, CF; Wang, LM; Inoue, A

Precipitation of icosahedral quasicrystalline and crystalline approximant phases in Zr-Cu-(Co, Rh or Ir) metallic glasses

J. Non-Cryst. Solids 306 (2002) 175 – 181

02-IMR0462

Louzguine, DV; Inoue, A

Crystallization behaviour of Al-based metallic glasses below and above the glass-transition temperature

J. Non-Cryst. Solids 311 (2002) 281 – 293

02-IMR0463

Saida, J; Inoue, A

Icosahedral quasicrystalline phase formation in Zr-Al-Ni-Cu glassy alloys by the addition of V, Nb and Ta

J. Non-Cryst. Solids 312 (2002) 502 – 507

02-IMR0464

Nakamura, T; Matsubara, E; Sakurai, M; Kasai, M; Inoue, A; Waseda, Y

Structural study in amorphous Zr-noble metal (Pd, Pt and Au)

J. Non-Cryst. Solids 312 (2002) 517 – 521

02-IMR0348

Haruyama, O; Annoshita, N; Kimura, H; Nishiyama, N; Inoue, A

Anomalous behavior of electrical resistivity in glass transition region of a bulk Pd₄₀Ni₄₀P₂₀ metallic glass

J. Non-Cryst. Solids 312 (2002) 552 – 556

02-IMR0465

Nishiyama, N; Inoue, A

Stability and thermodynamics of primary precipitation in supercooled Pd-Cu-Ni-P

J. Non-Cryst. Solids 312 (2002) 575 – 580

02-IMR0466

- Imafuku, M; Sato, S; Matsubara, E; Inoue, A
Structural study of Fe_{90-x}Nb₁₀B_x (x=10, 20 and 30) glassy
J. Non-Cryst. Solids 312 (2002) 589 – 593
02-IMR0467
-
- Kitada, M; Imafuku, M; Saida, J; Inoue, A
Structural study of quasicrystallization in Zr-NM (NM=Pd or Pt) metallic
J. Non-Cryst. Solids 312 (2002) 594 – 598
02-IMR0468
-
- Haruyama, O; Tando, M; Kimura, HM; Nishiyama, N; Inoue, A
Structural relaxation process in a bulk Pd₄₀Cu₃₀Ni₁₀P₂₀ metallic glass with a high Kauzmann temperature
J. Non-Cryst. Solids 312 (2002) 603 – 607
02-IMR0469
-
- Saida, J; Matsushita, M; Inoue, A
Transformation in the initial crystallization stage of Zr-Al-Ni-Cu glassy alloys made with low oxygen concentrations
J. Non-Cryst. Solids 312 (2002) 617 – 621
02-IMR0470
-
- El-Eskandarany, MS; Matsushita, M; Inoue, A
Mechanically driven solid state amorphization reaction of ball-milled Nb₅₀Zr₁₀Al₁₀Ni₁₀Cu₂₀ powders and the effect of annealing
J. Non-Cryst. Solids 312 (2002) 622 – 627
02-IMR0471
-
- Kasai, M; Saida, J; Matsushita, M; Osuna, T; Matsubara, E; Inoue, A
Structure and crystallization of rapidly quenched Cu-(Zr or Hf)-Ti alloys containing nanocrystalline particles
J. Phys.-Condes. Matter 14 (2002) 13867 – 13877
02-IMR0352
-
- Stadnik, ZM; Rapp, O; Srinivas, V; Saida, J; Inoue, A
Mossbauer and transport studies of amorphous and icosahedral Zr-Ni-Cu-Ag-Al
J. Phys.-Condes. Matter 14 (2002) 6883 – 6896
02-IMR0472
-
- Imafuku, M; Li, CF; Matsushita, M; Inoue, A
Formation of tau-phase in Fe₆₀Nb₁₀B₃₀ amorphous alloy with a large supercooled liquid
Jpn. J. Appl. Phys. Part 1 – Regul. 41 (2002) 219 – 221
Pap. Short Notes Rev. Pap.
02-IMR0473
-
- Nishiyama, N; Kato, H; Saida, J; Inoue, A; Chen, HS
Heat of evolution and non-Newtonian viscous flow of Pd₄₀Ni₄₀P₂₀ glassy
Jpn. J. Appl. Phys. Part 1 – Regul. 41 (2002) 741 – 745
Pap. Short Notes Rev. Pap.
02-IMR0474
-
- Wang, LM; Ma, LQ; Kimura, H; Inoue, A
Amorphous forming ability and mechanical properties of rapidly solidified Al-Zr-LTM (LTM = Fe, Co, Ni and Cu) alloys
Mater. Lett. 52 (2002) 47 – 52
02-IMR0475
-

Louzguine, DV; Inoue, A

Influence of a supercooled liquid on crystallization behaviour of Al-Y-Ni-Co metallic

Mater. Lett. 54 (2002) 75 – 80

02-IMR0476

Wang, LM; Ma, LQ; Chen, MW; Kimura, H; Inoue, A

Annealing embrittlement of Al89Fe10Zr1 amorphous

Mater. Sci. Eng. A-Struct. Mater. 325 (2002) 182 – 185

Prop. Microstruct. Process.

02-IMR0477

Guo, XQ; Louzguine, DV; Yamaura, S; Ma, LQ; Sun, W; Hasegawa, M; Inoue, A

Hydrogen absorption in Ti-Zr-Ni-Cu amorphous

Mater. Sci. Eng. A-Struct. Mater. 338 (2002) 97 – 100

Prop. Microstruct. Process.

02-IMR0478

Nishiyama, N; Inoue, A

Generation and annihilation of nanocrystalline nucleus in undercooled Pd-Cu-Ni-P

Mater. Sci. Forum 386-3 (2002) 105 – 110

02-IMR0479

Louzguine, DV; Inoue, A

Comparative analysis of crystallization of Al85RE8Ni5Co2 (RE = rare-earth metals) metallic glasses with and without supercooled liquid region

Mater. Sci. Forum 386-3 (2002) 117 – 122

02-IMR0480

Yavari, AR; Inoue, A

Ductilisation of Fe-based metallic

Mater. Sci. Forum 386-3 (2002) 3 – 9

02-IMR0481

Inoue, A; Kawamura, Y; Matsushita, M; Hayashi, K

High strength nanocrystalline Mg-based

Mater. Sci. Forum 386-3 (2002) 509 – 517

02-IMR0482

Kawamura, Y; Hayashi, K; Inoue, A; Masumoto, T

Rapidly solidified powder metallurgy magnesium alloys with novel mechanical

Mater. Sci. Forum 386-3 (2002) 529 – 534

02-IMR0483

Inoue, A; Takeuchi, A

Compositions, structure and glass-forming ability of bulk glassy

Mater. Sci. Forum 403 (2002) 1 – 11

02-IMR0484

Chen, F; Takagi, M; Imura, T; Kawamura, Y; Kato, H; Inoue, A

Crystallization of Zr55Al10Ni5Cu30 bulk metallic glass composites containing ZrC

Mater. Trans. 43 (2002) 1 – 4

02-IMR0485

Ma, CL; Nishiyama, N; Inoue, A

Phase equilibria and thermal stability of Pd-Cu-Ni-P

Mater. Trans. 43 (2002) 1161 – 1165

02-IMR0497

Takeuchi, A; Inoue, A

Calculation of supercooled liquid range and estimation of glass-forming ability of metallic glasses using the Vogel-Fulcher-Tammann equation

Mater. Trans. 43 (2002) 1205 – 1213

02-IMR0498

Inoue, A; Shen, BL

Formation and soft magnetic properties of Co-Fe-Si-B-Nb bulk glassy

Mater. Trans. 43 (2002) 1230 – 1234

02-IMR0499

Shen, BL; Inoue, A

Bulk glassy Fe-Ga-P-C-B-Si alloys with high glass-forming ability, high saturation magnetization and good soft magnetic properties

Mater. Trans. 43 (2002) 1235 – 1239

02-IMR0500

Nishiyama, N; Inoue, A

Nucleation and growth behavior of undercooled Pd_{42.5}Cu₃₀Ni_{7.5}P₂₀

Mater. Trans. 43 (2002) 1247 – 1249

02-IMR0501

Zhang, T; Inoue, A

Formation and mechanical strength of bulk glassy alloys in Zr-Al-Co-Cu

Mater. Trans. 43 (2002) 1250 – 1253

02-IMR0502

Zhang, T; Inoue, A

Thermal stability and mechanical properties of bulk glassy Cu-Zr-Ti-(Nb, Ta)

Mater. Trans. 43 (2002) 1367 – 1370

02-IMR0503

El-Eskandarany, MS; Zhang, W; Inoue, A

Mechanically induced solid-state reaction for synthesizing new multicomponent Ta₅₅Zr₁₀Ni₁₀Al₁₀Cu₁₅ glassy alloy powders with extremely wide supercooled liquid

Mater. Trans. 43 (2002) 1422 – 1424

02-IMR0504

Ma, CL; Inoue, A

Bulk glassy Pd-Cu-Ni-Cr-P alloys containing dispersed nanoparticles prepared by copper-mold casting

Mater. Trans. 43 (2002) 1737 – 1740

02-IMR0505

Zhang, W; Ishihara, S; Inoue, A

Synthesis and mechanical properties of Cu-based Cu-Zr-Ti bulk glassy alloys containing ZrC particles

Mater. Trans. 43 (2002) 1767 – 1770

02-IMR0506

Pang, SJ; Zhang, T; Asami, K; Inoue, A
Formation of bulk glassy Ni-(Co-)Nb-Ti-Zr alloys with high corrosion
Mater. Trans. 43 (2002) 1771 – 1773
02-IMR0507

Inoue, A
Special issue on bulk amorphous, nano-crystalline and nano-quasicrystalline alloys IV –
Mater. Trans. 43 (2002) 1891 – 1891
02-IMR0508

Inoue, A; Takeuchi, A
Recent progress in bulk glassy
Mater. Trans. 43 (2002) 1892 – 1906
02-IMR0509

Nishiyama, N; Inoue, A
Direct comparison between critical cooling rate and some quantitative parameters for evaluation of glass-forming ability in Pd-Cu-Ni-P alloys
Mater. Trans. 43 (2002) 1913 – 1917
02-IMR0510

Nakamura, T; Koshiba, H; Imafuku, M; Inoue, A; Matsubara, E
Determination of atomic sites of Nb dissolved in metastable Fe₂₃B₆
Mater. Trans. 43 (2002) 1918 – 1920
02-IMR0355

Haruyama, O; Kimura, HM; Nishiyama, N; Inoue, A; Arai, J
Electrical resistivity and Mossbauer studies for the structural relaxation process in Pd-Cu-Ni-P glasses
Mater. Trans. 43 (2002) 1931 – 1936
02-IMR0511

Saida, J; Matsushita, M; Inoue, A
Stability of supercooled liquid and transformation Behavior in Zr-based glassy
Mater. Trans. 43 (2002) 1937 – 1946
02-IMR0512

Inoue, A; Zhang, W; Zhang, T
Thermal stability and mechanical strength of bulk glassy Ni-Nb-Ti-Zr
Mater. Trans. 43 (2002) 1952 – 1956
02-IMR0513

Fujita, K; Inoue, A; Zhang, T; Nishiyama, N
Anelastic behavior under tensile and shearing stresses in bulk metallic
Mater. Trans. 43 (2002) 1957 – 1960
02-IMR0514

Shen, BL; Kimura, H; Inoue, A; Omori, M; Okubo, A
Preparation of Fe₆₅Co₁₀Ga₅P₁₂C₄B₄ bulk glassy alloy with good soft magnetic properties by spark-plasma sintering of glassy powder
Mater. Trans. 43 (2002) 1961 – 1965
02-IMR0515

Zhang, W; Long, Y; Imafuku, M; Inoue, A
Thermal stability and soft magnetic properties of (Fe, Co)-(Nd, Dy)-B glassy alloys with high boron concentrations

Mater. Trans. 43 (2002) 1974 – 1978

02-IMR0516

Takeuchi, A; Inoue, A
Bulk amorphous and partially crystallized alloys in Nd-Fe-(Al, B) system with hard magnetic properties prepared by arc melting

Mater. Trans. 43 (2002) 1985 – 1991

02-IMR0517

Inoue, A; Kimura, H; Amiya, K
Developments of aluminum- and magnesium-based nanophase high-strength alloys by use of melt quenching-induced metastable phase

Mater. Trans. 43 (2002) 2006 – 2016

02-IMR0518

Kim, HS; Hong, SI; Kato, H; Inoue, A
Strengthening mechanisms in Al-based and Zr-based amorphous

Mater. Trans. 43 (2002) 2026 – 2030

02-IMR0519

Pang, S; Zhang, T; Asami, K; Inoue, A
Effects of chromium on the glass formation and corrosion behavior of bulk glassy Fe-Cr-Mo-C-B alloys

Mater. Trans. 43 (2002) 2137 – 2142

02-IMR0520

Takeuchi, A; Inoue, A
Calculations of crystallization temperature of multicomponent metallic

Mater. Trans. 43 (2002) 2275 – 2284

02-IMR0521

Inoue, A; Shen, BL; Ohsuna, T
Soft magnetic properties of nanocrystalline Fe-Si-B-Nb-Cu rod alloys obtained by crystallization of cast amorphous phase

Mater. Trans. 43 (2002) 2337 – 2341

02-IMR0522

Zhang, W; Inoue, A
Effects of Ti on the thermal stability and glass-forming ability of Ni-Nb glassy

Mater. Trans. 43 (2002) 2342 – 2345

02-IMR0523

Wang, LM; Ma, LQ; Inoue, A
Formation and mechanical properties of Ti-Zr-Ni-Cu amorphous alloy containing icosahedral nanoscale quasicrystalline phase

Mater. Trans. 43 (2002) 2346 – 2349

02-IMR0524

Inoue, A; Shen, BL

Formation and soft magnetic properties of Fe-B-Si-Zr bulk glassy alloys with high saturation magnetization above 1.5 T

Mater. Trans. 43 (2002) 2350 – 2353

02-IMR0525

Ma, LQ; Wang, LM; Zhang, T; Inoue, A

Fabrication of bulk glassy Hf50Cu30Ni10Al10 alloy by copper Mold

Mater. Trans. 43 (2002) 2357 – 2359

02-IMR0526

Takagi, M; Imura, T; Kawamura, Y; Inoue, A

Deformation behavior of Pt-based metallic glass at elevated

Mater. Trans. 43 (2002) 2463 – 2467

02-IMR0527

Shindo, T; Waseda, Y; Inoue, A

Prediction of glass-forming composition ranges in Zr-Ni-Al

Mater. Trans. 43 (2002) 2502 – 2508

02-IMR0528

Yokoyama, Y; Abe, N; Fukaura, K; Shinohara, T; Inoue, A

Electron beam welding of Zr50Cu30Ni10Al10 bulk glassy

Mater. Trans. 43 (2002) 2509 – 2515

02-IMR0529

Yamaura, S; Hasegawa, M; Kimura, H; Inoue, A

Effects of hydrogen on the mechanical properties of Ti50Ni25Cu25 metallic

Mater. Trans. 43 (2002) 2543 – 2547

02-IMR0530

Amiya, K; Inoue, A

Formation and thermal stability of Ca-Mg-Ag-Cu bulk glassy

Mater. Trans. 43 (2002) 2578 – 2581

02-IMR0531

Benameur, T; Hajlaoui, K; Yavari, AR; Inoue, A; Rezgui, B

On the characterization of plastic flow in Zr-based metallic glass through micro-indentation: An atomic force microscopy analysis

Mater. Trans. 43 (2002) 2617 – 2621

02-IMR0532

Chen, YT; Zhang, T; Zhang, W; Ping, DH; Hono, K; Inoue, A; Sakurai, T

Microstructure feature of bulk glassy Cu60Zr30Ti10 alloy in As-cast and annealed

Mater. Trans. 43 (2002) 2647 – 2650

02-IMR0095

Zhang, T; Inoue, A

New glassy Zr-Al-Fe and Zr-Al-Co alloys with a large supercooled liquid

Mater. Trans. 43 (2002) 267 – 270

02-IMR0487

Ma, LQ; Wang, LM; Zhang, T; Inoue, A
Bulk glass formation of Ti-Zr-Hf-Cu-M (M=Fe, Co, Ni)
Mater. Trans. 43 (2002) 277 – 280
02-IMR0488

Wada, T; Zhang, T; Inoue, A
Formation, thermal stability and mechanical properties in Zr-Al-Co bulk glassy
Mater. Trans. 43 (2002) 2843 – 2846
02-IMR0533

Yoshimi, K; Hanada, S; Haraguchi, T; Kato, H; Itoi, T; Inoue, A
Nanoporous surfaces of FeAl formed by vacancy
Mater. Trans. 43 (2002) 2897 – 2902
02-IMR0204

Inoue, A; Zhang, W
Formation, thermal stability and mechanical properties of Cu-Zr-Al bulk glassy
Mater. Trans. 43 (2002) 2921 – 2925
02-IMR0534

Zhang, T; Yamamoto, T; Inoue, A
Formation, thermal stability and mechanical properties (CU0.6Zr0.3Ti0.1)(100-x)M-x (M=Fe, Co, Ni) bulk glassy alloys
Mater. Trans. 43 (2002) 3222 – 3226
02-IMR0535

Ma, CL; Inoue, A
Deformation annul fracture behaviors of Pd-Cu-Ni-P glassy
Mater. Trans. 43 (2002) 3266 – 3272
02-IMR0536

Yokoyama, Y; Kobayashi, A; Fukaura, K; Inoue, A
Oxygen embrittlement and effect of the addition of Ni element in a bulk amorphous Zr-Cu-Al
Mater. Trans. 43 (2002) 571 – 574
02-IMR0489

Yokoyama, Y; Inoue, H; Fukaura, K; Inoue, A
Relationship between the liquidus surface and structures of Zr-Cu-Al bulk amorphous
Mater. Trans. 43 (2002) 575 – 579
02-IMR0490

Inoue, A; Matsushita, M; Kawamura, Y; Amiya, K; Hayashi, K; Koike, J
Novel hexagonal structure of ultra-high strength magnesium-based
Mater. Trans. 43 (2002) 580 – 584
02-IMR0491

Shen, BL; Kimura, H; Inoue, A
Structure and magnetic properties of Fe42.5Co42.5Nb7B8 nanocrystalline
Mater. Trans. 43 (2002) 589 – 592
02-IMR0492

El-Eskandarany, MS; Inoue, A

Thermally enhanced glass formation in multilayered Cu₃₃Zr₆₇ composite

Mater. Trans. 43 (2002) 608 – 610

02-IMR0493

Zhang, T; Inoue, A

New bulk glassy Ni-based alloys with high strength of 3000

Mater. Trans. 43 (2002) 708 – 711

02-IMR0494

Inoue, A; Shen, B

Soft magnetic bulk glassy Fe-B-Si-Nb alloys with high saturation magnetization above 1.5

Mater. Trans. 43 (2002) 766 – 769

02-IMR0495

El-Eskandarany, MS; Inoue, A

New V₄₅Zr₂₀Ni₂₀Cu₁₀Al_{2.5}Pd_{2.5} glassy alloy powder with wide supercooled liquid

Mater. Trans. 43 (2002) 770 – 772

02-IMR0496

Amiya, K; Inoue, A

Formation, thermal stability and mechanical properties of Ca-based bulk glassy

Mater. Trans. 43 (2002) 81 – 84

02-IMR0486

El-Eskandarany, MS; Inoue, A

Solid-state crystalline-glassy cyclic phase transformations of mechanically alloyed Cu₃₃Zr₆₇

Metall. Mater. Trans. A-Phys. Metall. 33 (2002) 135 – 143

Mater. Sci.

02-IMR0537

El-Eskandarany, M; Inoue, A

Thermally enhanced and mechanically driven glass-formation reactions of multilayered Cu₃₃Zr₆₇ powders

Metall. Mater. Trans. A-Phys. Metall. 33 (2002) 2145 – 2153

Mater. Sci.

02-IMR0538

Ping, DH; Hono, K; Kawamura, Y; Inoue, A

Local chemistry of a nanocrystalline high-strength Mg₉₇Y₂Zn₁

Philos. Mag. Lett. 82 (2002) 543 – 551

02-IMR0539

Inoue, A

Japan Academy Prize to: Akihisa Inoue – Director and Professor, Institute for Materials Research, Tohoku University

Proc. Jpn. Acad. Ser. B-Phys. Biol. 78 (2002) XX – XXI

Sci.

02-IMR0540

Mukai, T; Nieh, TG; Kawamura, Y; Inoue, A; Higashi, K

Dynamic response of a Pd₄₀Ni₄₀P₂₀ bulk metallic glass in

Scr. Mater. 46 (2002) 43 – 47

02-IMR0541

Ishihara, S; Zhang, W; Inoue, A

Hot pressing of Fe-Co-Nd-Dy-B glassy powders in supercooled liquid state and hard magnetic properties of the consolidated alloys

Scr. Mater. 47 (2002) 231 – 235

02-IMR0542

Louzguine, DV; Inoue, A

Comparison of the long-term thermal stability of various metallic glasses under continuous

Scr. Mater. 47 (2002) 887 – 891

02-IMR0543
