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FUJITA Kazutaka

Organization Mechanical Engineering

Position Professor

Academic Title Doctor(Engineering)

Research Fields Strength and Fracture of Metallic Materials, Fracture Analysis by using Fracture Mechanics and Fractography

<< Research Subjects >>

1. [Fabrication of Bulk Metallic Glasses, Investigation of the Mechanical Properties \(Tensile and Fatigue Strength, Fracture Toughness, etc.\) and Fracture Mechanisms.](#)
2. [Investigation of Tensile and Fatigue Properties in Nano Crystalline Alloys](#)
3. [Investigation of Peculiar Elastic, Plastic and Fracture Behaviors and their Mechanisms in Bulk Metallic Glass and Nano Crystalline Alloys](#)

<< Academic Activities >>

Papers and Notes

1. [Shin-ichi Yamaura and Kazutaka Fujita: "Ultra-high Cycle Fatigue Properties in Zr55Al10Ni5Cu30 Metallic Glassy Alloy Using Ultrasonic Fatigue Testing Machine", J. the Society of Materials Sci., Japan, Vol.63, No.6, pp.473-479 \(2014\).](#)
2. [Kazutaka Fujita, Kenta Nagaoka, Taiji Suidu, Takayuki Nabeshima and Tohru Yamasaki: "Fatigue Properties in Electrodeposited Nanocrystalline Ni-W Alloy", J. Japan Inst. Metals, Vol.77, No.5, pp.192-197 \(2013\).](#)
3. [Hitoo Tokunaga, Kazutaka Fujita and Yoshihiko Yokoyama: "Shape Memory Effect and Mechanical Properties of Zr-Cu-Al Bulk Metallic Glass Matrix Composite", J. Soc. Mater. Sci., Japan, Vol.62, No.3, pp.197-200 \(2013\).](#)
4. [Hitoo Tokunaga, Kazutaka Fujita and Yoshihiko Yokoyama: "Tensile Plastic Deformation Behavior of Zr70Ni16Cu6Al8 Bulk Metallic Glass at Cryogenic Temperature", Materials Transactions, Vol.53, No.8, pp.1395-1399 \(2012\).](#)
5. [Kazutaka Fujita, Wei Zhang, Baolong Shen, Kenji Amiya, Chaoli L Ma and Nobuyuki Nishiyama: "Fatigue properties in high strength bulk metallic glasses", Intermetallics, Vol.30, pp.12-18 \(2012\).](#)
6. [Y. Yokoyama, H. Tokunaga, A. R. Yavari, M. Yamada, T. Yamasaki, K. Fujita and A. Inoue: "Viscous flow in sliding shear band formed during tensile deformation", Intermetallics, Vol.19, pp.1683-1687 \(2011\).](#)
7. [H. Tokunaga, K. Fujita, K. Maehara, Y. Yokoyama and A. Inoue: "Plastic Deformation Behavior of Zr-Cu-Al Bulk Metallic Glass Matrix Composite", J. Japan Inst. Metals, Vol.75, No.10, pp.562-568 \(2011\).](#)
8. [H. Tokunaga, J. Koyama, K. Fujita, Y. Yokoyama, T. Yamasaki and A. Inoue: "Mechanisms of Tensile Plastic Deformation in Zr70Ni16Cu6Al8 Bulk Metallic Glass", J. Japan Inst. Metals, Vol.75, No.10, pp.569-574 \(2011\).](#)
9. [K. Fujita, K. Misumi, W. Zhang and A. Inoue: "Fatigue Property in Ni-Based Bulk Metallic Glass", J. Japan Inst. Metals, Vol.75, No.9, pp.474-478 \(2011\).](#)
10. [K. Fujita, T. Suidu and T. Yamasaki: "Tensile Properties in Electrodeposited Nanocrystalline Ni-W alloy", J. Japan Inst. Metals, Vol.75, No.6, pp.348-354 \(2011\).](#)
11. [Y. Yokoyama, Hitoo Tokunaga, Alain Reza Yavari, Tohru Kawamata, Tohru Yamasaki, Kazutaka Fujita, Kazumasa Sugiyama, Peter K. Liaw and Akihisa Inoue: "Ductile Hypoeutectic Zr-Based Bulk Metallic Glasses", Metallurgical and Materials Transactions A, Vol.42, No.6, pp.1468-1475 \(2011\)](#)
12. [Hideki Kido, Kazutaka Fujita, Koichi Osaki, Tatsunari Sakurai, and Akihisa Inoue: "Spiral Pattern Formation on Bulk Metallic Glass by Electropolishing", Chemistry Letters, Vol.40, No.2, pp.191-193 \(2011\)](#)
13. [Kazutaka Fujita, Taiji Suidu and Tohru Yamasaki, "High Strength and High Ductility in Electrodeposited Nanocrystalline Ni-W Alloy", Material Science Forum, Vols. 654-656, pp 1118-1121 \(2010\)](#)
14. [Yoshihiko Yokoyama, Kazutaka Fujita, Alain Reza Yavari and Akihisa Inoue: "Malleable hypoeutectic Zr-Ni-Cu-Al bulk glassy alloys with tensile plastic elongation at room temperature", Philosophical Magazine Letters, Vol.89, No.5, pp. 322-334 \(2009\)](#)

15. [Kazutaka FUJITA, T. Hashimoto, W. Zhang, N. Nishiyama, C. Ma, H. Kimura and A. Inoue : "Ultra-high Fatigue Strength in Ti-based Bulk Metallic Glass", *Reviews on Advanced Materials Science*, Vol.18, pp. 137-139 \(2008\).](#)
16. [Kazutaka FUJITA, Akinori OKAMOTO, Nobuyuki NISHIYAMA, Yoshihiko YOKOYAMA, Hisamichi KIMURA and Akihisa INOUE : "Effects of Loading Rates, Notch Root Radius and Specimen Thickness on Fracture Toughness in Bulk Metallic Glasses", *Journal of Alloys and Compounds*, Vol.434-435, pp.22-27 \(2007\).](#)
17. [Kazutaka Fujita, Nobuyuki Nishiyama, Kenji Amiya, Tao Zhang, Hisamichi Kimura and Akihisa Inoue : "Fracture Toughness in Zr-Based Bulk Metallic Glass", *Journal of Metastable & Nanocrystalline Materials*, Vols.24-25, pp.323-326 \(2005\)](#)
18. [Kazutaka Fujita, Yasuo Morishita, Nobuyuki Nishiyama, Hisamichi Kimura and Akihisa Inoue : "Cutting Characteristics of Bulk Metallic Glass", *Materials Transactions*, Vol.46, No.12, pp.2856-2863 \(2005\)](#)
19. [Kazutaka FUJITA, Akihisa INOUE and Tao Zhang : "Molecular Dynamics Simulation on anelasticity under Tensile and Shearing Stresses in Single Component Amorphous Metal", *Materials Transactions*, Vol.46, No.12, pp.2875-2879 \(2005\)](#)
20. [Kazutaka FUJITA, Akihisa Inoue, Tao Zhang and Nobuyuki Nishiyama : "An elastic Behavior under Tensile and Shearing Stresses in Bulk Metallic Glasses", *Materials Transactions*, Vol.43, No.8, pp. 1957-1960 \(2002\)](#)
21. [Kazutaka FUJITA, Akihisa INOUE and Tao Zhang : "Fractography of Fatigue Crack Propagation in a Nanocrystalline Zr-Based Bulk Metallic Glass", *Scripta Materialia*, Vol.44, No.8-9, pp.1629-1633 \(2001\)](#)
22. [Kazutaka FUJITA, Akihisa INOUE and Tao Zhang : "Effects of Overload and Frequency on Fatigue Crack Propagation in Nanocrystalline Zr-based Metallic Glass", *Materials Transactions*, Vol.42, No.8, pp. 1502-1508 \(2001\)](#)
23. [Kazutaka FUJITA, Akihisa INOUE and Tao Zhang : "Fatigue Crack Propagation in a Nanocrystalline Zr-Based Bulk Metallic Glass", *Materials Transactions, JIM*, Vol.41, No.11, pp.1448-1453 \(2000\)](#)
24. [Noboru Tanimoto, Hidekazu Fukuoka and Kazutaka Fujita : "One-Dimensional Numerical Analysis of a Bar Subjected to Longitudinal Impulsive Loading \(Using an Elastic-Plastic-Viscoplastic Constitutive Equation\)", *JSME International Journal Series A*, Vol.36, No.2, pp.137-145 \(1993\)](#)

Books

1. [Kazutaka Fujita, Ryoichi Koterazawa : *Fractography*, Current Japanese Materials Research Vol.6, Elsevier Applied Science, pp.33-52, 1990](#)

Presentations

1. [Kazutaka Fujita and Tohru Yamasaki: "Fracture Behavior and Mechanisms in High strength and High ductility Electrodeposited Nanocrystalline Ni-W Alloy", Abstracts of The 21th International Symposium on Metastable, Amorphous and Nanostructured Materials \(ISMANAM 2014\), DVD Orale\(No pages\), Conference Center of the Marriott Hotel in Cancun, Mexico, June 29 - July 4 \(2014\)](#)
2. [Kazutaka Fujita, Makoto Fujishige, Akira Hirata, Hiroyuki Nishikawa and Yoshihiko Yokoyama and Hidemi Kato: "Torsion Behavior in Zr-based Bulk Metallic Glass", Abstracts of The 10th International Conference on Bulk Metallic Glasses, Oral, p.96, Shanghai University, Shanghai, China, June 1-5 \(2014\)](#)
3. [Kazutaka Fujita, Fumiaki Ariyoshi and Yoshihiko Yokoyama: "Effects of Number of Casting cycles on Tensile and Fatigue Properties of Zr-Based Bulk Metallic Glass", Abstracts of International Conference on Processing & Manufacturing of Advanced Materials\(THERMEC'2013\), Oral, Invited, p.191, Rio Hotel, Las Vegas, USA, Dec.1-6, 2013.](#)
4. [Hitoo Tokunaga, Kazutaka Fujita and Yoshihiko Yokoyama: "Shape memory behavior of Zr-Cu-Al bulk metallic glass matrix composite", Abstracts of International Conference on Processing & Manufacturing of Advanced Materials\(THERMEC'2013\), Oral, Invited, p.612, Rio Hotel, Las Vegas, USA, Dec.1-6, 2013.](#)
5. [Shin-ichi Yamaura and Kazutaka Fujita: "Ultrasonic Fatigue of Zr-based Glassy Alloy", Abstracts of International Conference on Processing & Manufacturing of Advanced Materials \(THERMEC'2013\), Oral, Invited, p.667, Rio Hotel, Las Vegas, USA, Dec.1-6, 2013.](#)
6. [Kazutaka Fujita, Yoshiaki Kihara and Yoshihiko Yokoyama: "Investigation of Torsion Fracture on Zr-based Bulk Metallic Glass", 8th Pacific Rim International Congress on Advanced Materials and Processing \(PRICM-8\), Oral, Hilton Waikoloa Village, Waikoloa, Hawaii, USA, August 4-9, 2013.](#)
7. [Tohru Yamasaki and Kazutaka Fujita: "Plastic Deformation of High Strength Nanocrystalline Ni-W Alloys", 8th Pacific Rim International Congress on Advanced Materials and Processing \(PRICM-8\), Oral, Invited, Hilton Waikoloa Village, Waikoloa, Hawaii, USA, August 4-9, 2013.](#)
8. [K. Fujita, A. Hirata and Y. Yokoyama: "Fatigue properties on torsion in Zr-based bulk metallic glass", The 20th International Symposium on Metastable, Amorphous and Nanostructured Materials \(ISMANAM 2013\), Oral, Torino Incontra Convention Centre, Torino, Italy, Torino Incontra Convention Centre, Torino, Italy, June 30 - July 5, 2013.](#)
9. [Kazutaka Fujita, Tohru Yamasaki: "Fatigue Properties in High Strength Bulk Metallic Glasses and High Strength Electrodeposited Nanocrystalline Ni-W Alloy", Material Science Symposium in Seoul National University, Seoul National University, Seoul, Korea, Sep.21th, 2012, invited.](#)
10. [Tohru Yamasaki, Kazutaka Fujita: "Formation of High Strength Nanocrystalline Ni-W Alloys by Electrodeposition and Applications to Nano-Micro Metallic Molds", Material Science Symposium in Seoul National University, Seoul National University, Seoul, Korea, Sep.21th, 2012, invited.](#)
11. [Kazutaka Fujita, Yoshihiko Yokoyama, Hidemi Kato, Satoshi Emura and Koichi Tsuchiya: "Creep in Zr-Based Bulk Metallic Glasses at Temperature Less than Glass Transition Temperature", Abstracts of 19th International Symposium on Metastable, Amorphous and Nanostructured Materials \(ISMANAM 2012\), OR-82, p.96, National University of Science and Technology "MISIS", Moscow, Russia, June 22th -26th, 2012.](#)
12. [Wei Zhang, Y.H.Li, C. Dong, Akihisa Inoue and Kazutaka Fujita: "Effects of alloying elements on glass-forming ability, corrosion resistance and mechanical properties of Zr-Al-Ni bulk metallic glasses", Abstracts of 19th International Symposium on Metastable, Amorphous and Nanostructured Materials \(ISMANAM 2012\), PO-120, p.188, National University of Science and Technology "MISIS", Moscow, Russia, June 22th -26th, 2012.](#)
13. [Kazutaka Fujita : "Fatigue Properties in High Strength Bulk Metallic Glasses", Strength and fracture of Metallic Materials Symposium in Anddong National University, Anddong National University, Andong, Korea, May 25th, 2012, invited.](#)
14. [Tohru Yamasaki, Kazutaka Fujita, Hiroki Adachi and Eri Miura : "Plastic Deformation of High Strength Nanocrystalline Ni-W Electrodeposited Alloys", Strength and fracture of Metallic Materials Symposium in Anddong National University, Anddong National University, Andong, Korea, May 25th, 2012, invited.](#)
15. [Kazutaka Fujita, Wei Zhang, Kenji Amiya, Baolong Shen, Chaoli L Ma and Akihisa Inoue: "Fatigue Properties in High Strength Bulk Metallic Glasses", Material Science Symposium in Pusan National University, Pusan National University, Busan,](#)

- Korea, May 24th, 2012, invited.
16. [Tohru Yamasaki, Kazutaka Fujita, Hiroki Adachi and Eri Miura : "Plastic Deformation of High Strength Nanocrystalline Ni-W Electrodeposited Alloys", Material Science Symposium in Pusan National University, Pusan National University, Busan, Korea, May 24th, 2012, invited.](#)
 17. [Tohru Yamasaki and Kazutaka Fujita: "Work Hardening of High Strength Nanocrystalline Ni-W Alloys". Abstracts of 2012 TMS Annual Meeting & Exhibition, Swan Resort - Swan 1, Orlando, FL, USA, March 11-15 \(2012\).](#)
 18. [Kazutaka Fujita and Tohru Yamasaki: "Fatigue Properties in Electrodeposited Nanocrystalline Ni-W Alloy", Seminar in Korean Institute of Science and Technology \(KIST\), KIST, Seoul, Korea, Dec. 17th-20th \(2011\).](#)
 19. [K. Fujita, Y. Kawamura, Y. Yokoyama, H. Kato and A. Inoue: "Deformation Behavior under Constant Load at Temperature Less Than Glass Transition Temperature in Zr-based Bulk Metallic Glasses". Abstracts of 14th International Conference on Rapidly Quenched and Metastable Materials \(RQ14\), p.102, Pestana Bahia hotel, Salvador, BA, Brazil, Aug. 28th – Sep. 03th, 2011.](#)
 20. [T. Yamasaki, H. Ogino, K. Fujita, Y. Yokoyama and A. Inoue: "Effect of Noble Metal Additions on Viscosity of Supercooled Liquids and Mechanical Properties in Zr-Cu-Ni-Al Bulk Metallic Glasses". Abstracts of 14th International Conference on Rapidly Quenched and Metastable Materials \(RQ14\), p.35, Pestana Bahia hotel, Salvador, BA, Brazil, Aug. 28th-Sep. 03th \(2011\).](#)
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 22. [Kazutaka Fujita, Taiji Suidu, Tohru Yamasaki: "Fatigue Properties in Electrodeposited Nanocrystalline Ni-W Alloy". Abstracts of The 18th International Symposium on Metastable, Amorphous and Nanostructured Materials \(ISMANAM 2011\), p.34, Recinto Ferial de Asturias "Luis Adaro", Gijón, Spain, July 26th- July 1st \(2011\).](#)
 23. [Kazutaka Fujita, Wei Zhang, Baolong Shen, Kenji Amiya, Nobuyuki Nishiyama, Chaoli Ma, Hitoo Tokunaga and Akihisa Inoue: "Fatigue Properties in High Strength Bulk Metallic Glasses". Abstract of The 8th International Conference on Bulk Metallic Glasses, p.58, The Hong Kong Polytechnic University, Hong Kong, May 15-19 \(2011\).](#)
 24. [J. Kovama\(2P\), H. Tokunaga, K. Fujita, Y. Yokoyama and A. Inoue: "Tensile Plastic Deformation Behavior and Strain Rate Dependence of Zr70Ni6Cu6Al8 Bulk Metallic Glass", Abstract of The 8th International Conference on Bulk Metallic Glasses, p.168, The Hong Kong Polytechnic University, Hong Kong, May 15-19 \(2011\).](#)
 25. [Y. Kihara\(1P\), K. Fujita, Y. Yokoyama and A. Inoue: "Shear Properties in Zr-Based Bulk Metallic Glass". Abstract of The 8th International Conference on Bulk Metallic Glasses, p.167, The Hong Kong Polytechnic University, Hong Kong, May 15-19 \(2011\).](#)
 26. [K. Nagaoka\(1P\), K. Fujita, Taiji Suidu, Tohru Yamasaki: "Tensile Properties in Electrodeposited Nanocrystalline and Amorphous Ni-W Alloy". Abstract of The 8th International Conference on Bulk Metallic Glasses, p.166, The Hong Kong Polytechnic University, Hong Kong, May 15-19 \(2011\).](#)
 27. [Kazutaka Fujita : "Tensile Properties in Bulk Metallic Glasses", Innovation Forum in Komsomolsk-na-Amure State Technical University, Main lecture hall, Komsomolsk-na-Amure \(Russia\), Dec 21-24 \(2010\).](#)
 28. [Kazutaka Fujita, Taiji Suidu, Tohru Yamasaki : "High Strength and High Ductility in Electrodeposited Nanocrystalline Ni-W Alloys", Abstracts of the 7th Pacific Rim International Conference on Advanced Materials and Processing, p.164, Conference center, Cairns \(Australia\), Aug 1-5 \(2010\)](#)
 29. [Kazutaka Fujita, Taiji Suizu, Tohru Yamasaki : "Fatigue Properties in High Strength and High Ductility Electrodeposited Nanocrystalline Ni-W Alloy", Abstracts of 17th International Symposium on Metastable, Amorphous and Nanostructured Materials, p.285, Swiss Federal Institute of Technology \(ETH Zurich\), Zurich \(Switzerland\), July 4-9 \(2010\)](#)
 30. [Hitoo Tokunaga, Kazutaka Fujita, Yoshihiko Yokoyama, Tohru Yamasaki and Akihisa Inoue : "Enhancement of Tensile Plastic Deformation of Zr70Ni16Cu6Al8 Bulk Metallic Glass at Cryogenic Temperature", Abstracts of 17th International Symposium on Metastable, Amorphous and Nanostructured Materials, p.85, Swiss Federal Institute of Technology \(ETH Zurich\), Zurich \(Switzerland\), July 4-9 \(2010\)](#)
 31. [Yoshihiko Yokoyama, Hitoo Tokunaga, Kazutaka Fujita, Tohru Yamasaki, Alain Yavari, Peter Liaw and Akihisa Inoue : "Ductility Enhancement and Size Enlargement of Bulk Glassy Alloys", Abstracts of 17th International Symposium on Metastable, Amorphous and Nanostructured Materials, p.59, Swiss Federal Institute of Technology \(ETH Zurich\), Zurich \(Switzerland\), July 4-9 \(2010\)](#)
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 33. [Kazutaka Fujita, Hitoo Tokunaga, Yoshihiko Yokoyama and Akihisa Inoue: "EFFECT OF TEST PIECE THICKNESS ON FRACTURE TOUGHNESS IN Zr-BASED BULK METALLIC GLASS". Abstract of The 7th International Conference on Bulk Metallic Glasses, p.48, Xi'an Int. Conf. Center, Paradise Hotel, Busan \(Korea\), Dec. 1-5 \(2009\)](#)
 34. [Hitoo Tokunaga, Kazutaka Fujita, Yoshihiko Yokoyama and Akihisa Inoue: "Tensile Plastic Deformation Behavior of Zr70Ni16Cu6Al8 Bulk Metallic Glass at Cryogenic Temperature", Abstract of The 7th International Conference on Bulk Metallic Glasses, p.42, Paradise Hotel, Busan \(Korea\), Dec. 1-5 \(2009\)](#)
 35. [Kazutaka Fujita, Hitoo Tokunaga, Bao Long Shen, Kenji Amiya, Nobuyuki Nishiyama, Wei Zhang, Yoshihiko Yokoyama and Akihisa Inoue: "Fracture Properties under Cyclic Loading in Bulk Metallic Glasses", Abstract of The 15th International Conference on the Strength of Materials, p.125, Technical University Dresden, Dresden \(Germany\), Aug. 16-21 \(2009\)](#)
 36. [H. Tokunaga, K. Fujita, K. Amiya, Y. Yokoyama, A. Inoue: "Hardness, Elastic Modulus and Strength in Bulk Metallic Glass through Micro-Indentation Technique". Abstract of The 15th International Conference on the Strength of Materials, p.124, Technical University Dresden, Dresden \(Germany\), Aug. 16-21 \(2009\)](#)
 37. [Kazutaka Fujita, Tohru Yamasaki, Yoshihiko Yokoyama and Akihisa Inoue: "Effect of Composition on Fracture Toughness and Tensile Plastic strain in Zr-based Bulk Metallic Glasses", THE JAPAN-KOREA BASIC SCIENTIFIC COOPERATION PROGRAM FOR 2007-2009, Sogang Univ., Seoul \(Korea\), Jun.11-14\(2009\)](#)
 38. [Kazutaka Fujita, Tohru Yamasaki, Yoshihiko Yokoyama and Akihisa Inoue: "EFFECT OF COMPOSITION AND HEAT TREATMENT", THE JAPAN-KOREA BASIC SCIENTIFIC COOPERATION PROGRAM FOR 2007-2009, Yonsei Univ., Seoul \(Korea\), Sep.11-14\(2008\)](#)
 39. [Nobuyuki Yoshida\(Student\), Hitoo Tokunaga, Kazutaka Fujita, Yoshihiko Yokoyama, Hisamichi Kimura and Akihisa Inoue : "EFFECT OF SPECIMEN THICKNESS ON FRACTURE TOUGHNESS IN BULK METALLIC GLASS". Abstract of The 6th International Conference on Bulk Metallic Glasses, p.93, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
 40. [Daisuke Matsuo\(Student\), Hitoo Tokunaga, Kazutaka Fujita, Wei Zhang, Qingsheng Zhang, Hisamichi Kimura and Akihisa Inoue : "FATIGUE CHARACTERISTICS OF Cu-Zr-Ag-Al BULK METALLIC GLASS", Abstract of The 6th International](#)

- [Conference on Bulk Metallic Glasses, p.90, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
41. [Yuuki Sakamoto\(Student\), Hitoo Tokunaga, Kazutaka Fujita, Wei Zhang, Qingsheng Zhang, Hisamichi Kimura and Akihisa Inoue : "FRACTURE TOUGHNESS IN Cu-Zr-Ag-Al BULK METALLIC GLASS", Abstract of The 6th International Conference on Bulk Metallic Glasses, p.87, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
 42. [Akinori Shiota\(Student\), Hitoo Tokunaga, Kazutaka Fujita, Yoshihiko Yokoyama, Hisamichi Kimura and Akihisa Inoue : "TENSILE BEHAVIOR OF HYPOEUTECTIC ZR-BASED BULK METALLIC GLASSES", Abstract of The 6th International Conference on Bulk Metallic Glasses, p.86, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
 43. [Hitoo Tokunaga, Kazutaka Fujita, Nobuyuki Nishiyama, Kenji Amiya, Osami Haruyama, Yoshihiko Yokoyama, Hisamichi Kimura and Akihisa Inoue : "EVALUATION OF FRACTURE TOUGHNESS OF Fe-BASED BULK METALLIC GLASS BY INDENTATION FRACTURE METHOD", Abstract of The 6th International Conference on Bulk Metallic Glasses, p.206, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
 44. [Kazutaka Fujita, Hitoo Tokunaga, Nobuyuki Nishiyama, Chaoli Ma, Baolong Shen, Kenji Amiya, Hisamichi Kimura and Akihisa Inoue: "Strength and Fracture Mechanism in Fatigue of High Strength Bulk Metallic Glasses", Abstract of The 6th International Conference on Bulk Metallic Glasses, p.177, Xi'an Int. Conf. Center, Xi'an \(China\), May.10-16 \(2008\)](#)
 45. [Kazutaka Fujita, Nobuyuki Yoshida, Yoshihiko Yokoyama and Akihisa Inoue : "EFFECT OF COMPOSITION AND HEAT TREATMENT ON FRACTURE TOUGHNESS IN ZR-CU-AL BULK METALLIC GLASS", Abstracts of the 6th Pacific Rim International Conference on Advanced Materials and Processing, p.89, ICC, Jeju \(Korea\), Nov. 5-9 \(2007\)](#)
 46. [Kazutaka Fujita, Hitoo Tokunaga, Baolong Shen, Kenji Amiya, Nobuyuki Nishiyama, Hisamichi Kimura, Tohru Yamasaki and Akihisa Inoue : "Fatigue Strength in Co- and Fe-based High Strength Bulk Metallic Glasses", THE JAPAN-KOREA BASIC SCIENTIFIC COOPERATION PROGRAM FOR 2007-2009, Yonsei Univ., Seoul \(Korea\), Sep.7-10 \(2007\)](#)
 47. [Kazutaka Fujita, Hitoo Tokunaga, Baolong Shen, Kenji Amiya, Nobuyuki Nishiyama, Hisamichi Kimura and Akihisa Inoue : "Fatigue Strength in Co- and Fe-based High Strength Bulk Metallic Glasses", Abstracts of 14th International Symposium on Metastable and Nano Materials, p.37, Corfu \(Greece\), Aug. 26-30 \(2007\)](#)
 48. [Kazutaka Fujita, Akinori Okamoto, Yoshihiko Yokoyama, Wei Zhang, Nobuyuki Nishiyama, Chaoli Ma, Hisamichi Kimura and Akihisa Inoue : "HIGH FRACTURE TOUGHNESS AND THE MECHANISM IN BULK METALLIC GLASSES", Abstract of The 5th International Conference on Bulk Metallic Glasses, p.89, Awaji Yumebutai International Conference Center, Hyogo \(Japan\), Oct. 1-5 \(2006\)](#)
 49. [K. Fujita, T. Hashimoto, W. Zhang, N. Nishiyama, C. Ma, H. Kimura and A. Inoue : "Ultrahigh Fatigue Strength and the Mechanism in Ti-based Bulk Metallic Glass", Abstract of 13th International Symposium on Metastable and Nano Materials, p.218, Warsaw University of Technology, Warsaw, \(Poland\), Aug. 26-30 \(2006\)](#)
 50. [Kazutaka FUJITA, Tetsuro HASHIMOTO, Wei ZHANG, Hisamichi KIMURA and Akihisa INOUE : "Fatigue Strength in a Cu-based Bulk Glassy Alloy", Abstracts of The 12th International Conference on Rapidly Quenched & Metastable Materials, p.147, Jeju \(Korea\), Aug. 21-26 \(2005\)](#)
 51. [Kazutaka FUJITA, Akinori OKAMOTO, Nobuyuki NISHIYAMA, Yoshihiko YOKOYAMA, Hisamichi KIMURA and Akihisa INOUE : "Fracture toughness in Zr-, Pd-, Cu- and Ti-based Bulk Glassy Alloys", Abstracts of The 12th International Conference on Rapidly Quenched & Metastable Materials, p.148, Jeju \(Korea\), Aug. 21-26 \(2005\)](#)
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 53. [Kazutaka Fujita, Nobuyuki Nishiyama, Kenji Amiya, Tao Zhang, Hisamichi Kimura and Akihisa Inoue : "Fracture Toughness in Zr-Based Bulk Metallic Glass", Abstract of 11th Int. Symp., Metastable, Mechanically Alloyed and Nanocrystalline Materials, p.103, Sendai \(Japan\), Aug. 22-26 \(2004\)](#)
 54. [K. Fujita, J. Ohgi, V. Vitek, T. Zhang and A. Inoue : "Molecular Dynamics Simulation on Anelasticity under Tensile and Shearing stresses in Single Component Amorphous Metal", The 8th IUMRS \(International Union of Materials Research Societies\) International Conference, Abstract 2, Symposium: Category C&D, p.217, Pacifico Yokohama \(Japan\), Oct. 9-12 \(2003\)](#)
 55. [Kazutaka Fujita and Ryoichi Koterazawa : "Proceedings of the International Conference on Advanced Technology in Experimental Mechanics 1999", pp.123-128, Ube \(Japan\), Jul. 21-24 \(1999\)](#)