

Wednesday, April 03, 2024

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1. Refereed regular and original articles

1) M. Kiuchi, T. Imai, H.K. Chung and J. Yanagimoto: Analysis of Upsetting of Hollow Disk (Application of UBET to Forging 1), *Journal of the Japan Society for Technology of Plasticity*, 28-319 (1987-8), 841-848. (in Japanese)

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3. Book, book chapters, patents and invited presentations

3.1 Textbook

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3.3 Patents

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7) JAPAN, Patent applied 2014-079352(2014/4/8), Junichiro Tokutomi, Kenichi Hanazaki, Jun Yanagimoto, Sumio Sugiyama, Junichiro Shiomi, Carbon Nanotube Composite and Manufacturing Process, Patent disclosed 2015-199982(2015/11/12), Patent Granted P-6390024(2018/08/31)

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- 12) JAPAN, Patent applied P2017-24842(2017/02/14), Yohei Uchida, Hideo Gonda, Junichiro Tokutomi, Jun Yanagimoto, Electric wire and wire harness, Claim for examination on 2018/05/17, Patent disclosed P2018-133163A (2018/08/23), Patent Granted P-6784441(2020/10/27), US Patent applied 15/895332, (2018/02/13), US Patent Granted US 11,130,312 B2(2021/09/28), DE Patent applied 102018202108.2(2018/02/12), DE Patent Granted DE 102018202108 (2022/10/06).

3.4 Invited presentations at conference and symposium held by academic societies and public institution after 2010

2010: 6 (March, JSTP RC), (March, JSTP Lecture), (May, ISIJ Symposium), (September, JSME Symposium), (September, S2P Keynote), (JISF, Lecture)

2011: 7 (March, JSTP RC), (March, Nagasaki Prefecture Lecture), (June, JSTP Symposium), (August, JFM Lecture), (November, JSTP Forum), (November, ISIJ Nishiyama Memorial Lecture, twice)

2012: 10 (March, Keynote lecture in Aluminum Forging Committee GA), (June, International Symposium of Bulk-nanostructured Metals), (September, JST symposium on Hetero Structure Control Project), (September, ISIJ Symposium on Computational Material Science) (September, Warm Stamping Seminar by Nagano Prefecture Research Center), (November, Materials Genome Forum of ISIJ), (November, Young Scientists Forum of ISIJ), (November, JSTP South-Kanto Technical Meeting), (December, Special Lecture in JWRI, Osaka University), (December, Annual meeting of Rolling Theory Division of ISIJ)

2013: 3 (April, Pusan National University), (July, JFMA Lecture), (September, IUMRS-ICAM2013 Keynote, Qingdao)

2014: 7 (June, Hot Strip Rolling Committee of ISIJ, Tokyo), (June, JSTP Symposium Tokyo), (June, JSTP Forum, Tokyo), (September, ISIJ Hetero Symposium), (October, Session Keynote on Hot Stamping of ICTP at Nagoya Congress Center, Nagoya, Japan), (October, Plenary Lecture of ICTP at Nagoya Congress Center, Nagoya, Japan), (December, Gyeongsang National University, Korea)

2015: 7 (January, University of Science and Technology Beijing, China), (April, FEM Research Committee of JSTP), (May, Harbin Institute of Science and Technology), (June, US-Japan Materials Genome Workshop, NIMS, Tsukuba), (August, 2nd International Symposium on Bulk-nanostructured Metals, Kyoto), (September, JSAE Forum), (October, Asia Steel International Conference 2015, Yokohama)

2016: 6 (January, ISIJ Joint Forum Lecture), (February, Seoul National University – U-Tokyo Joint Workshop), (May, Yanshan University, Qinhuangdao), (September, ISIJ Symposium), (October, SENAFOR 2016, Porto Alegre), (October, 5th International Conference on Material Science and Engineering Technology)

2017 : 2 (May, GIFT seminar, POSTECH, Pohang), (August, JSTP Symposium)

2019: 1 (ISIJ Rolling Theory Subcommittee)

4. Conference Proceedings (Peer Reviewed, International)

1) J. Yanagimoto and M. Kiuchi: Advanced Computer Aided Simulation Technique for Three-Dimensional Rolling Processes, Proceeding of the 3rd ICTP Vol.2 (1990), 637-644.

2) J. Yanagimoto and M. Kiuchi: Three-dimensional Simulation System for Coupled Elastic / Rigid-Plastic Deformations in Strip Rolling Processes, Proceedings of NUMIRFORM 92 (1992), 763-768.

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- 4) J. Yanagimoto and M. Kiuchi: Three-dimensional Rigid-plastic FE Simulation System for Shape Rolling with Inter-stand Remeshing, Proceedings of International Conference for Metal Forming Process Simulation in Industry (VDI), (1994), 219-237.
- 5) M. Kiuchi, J. Yanagimoto and V. Mendoza: Flow of solid metal during extrusion (Three-dimensional simulations by finite element method), Proceedings of NUMIFORM 95, (1995), 847-852.
- 6) J. Yanagimoto, M. Kiuchi and K. Shibata: Characterization of angle rolling with two-roll mills and three-roll mills, Proceedings of NUMIFORM 95, (1995), 983-989.
- 7) J. Yanagimoto: Mathematical Modeling to Predict Flow Stress and Microstructural Change in tandem Hot Strip Rolling, Proceedings of the 2nd International Conference on Modeling of Metal Rolling Process, (1996), 167-177.
- 8) J. Yanagimoto and M. Kiuchi: General Purpose FEM Simulator for the Three-dimensional Deformation Analysis of Strip, Bar / Wire and Shape Rolling Processes, Proceedings of the Steel Rolling 98, (1998), 278-283.
- 9) J. Yanagimoto and T. Ito: Prediction of Microstructure Evolution in Hot Rolling, Proceedings of the NUMIFORM 98, (1998), 359-364.
- 10) T. Udagawa, Y. Takashima, M. Yoshida and J. Yanagimoto: Investigation of Characteristics on Deformation and Rolling Force for H Shapes in Universal Rolling, Proceedings of the Steel Rolling 98, (1998), 359-364.
- 11) J. Yanagimoto and H. Kubota: Adaptive Mesh Generation Scheme for the Three-Dimensional Deformation Analysis of Shape Rolling, Proceedings of the 6th ICTP, (1999), 977-982.
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- 14) J.S. Liu, A. Yanagida, S. Sugiyama and J. Yanagimoto: The Phase Transformation Analysis for the Prediction of Microstructure Change after Hot Forming, Proceedings of the EUROMAT Conference, (2001), Rimini, Italy.
- 15) J. Yanagimoto, S. Sugiyama, A. Yanagida and R. Aivazi: Intelligent Forging Process for Slab Stretching: One Step FE Analysis and Experimental Validation of Height Distribution, Proc. ISME 2001 (2001), 193-199.
- 16) J. Yanagimoto: Strategic FEM Simulator for the Innovation of Rolling Mills and Processes, *Journal of Materials Processing Technology*, 130-131 (2002), 224-228.
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