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1. 最終学歴と学位

1988 東京大学工学系大学院原子力工学専攻博士後期課程修了.
1988 工学博士授与 (東京大学)

2. 主な経歴

1988-2011 電力中央研究所にて先進燃料サイクルに係る研究に従事。うち、
1990-1992 Argonne National Laboratory (USA)客員研究員
1998-2000 超ウラン元素研究所JRC-ITU (Germany)客員研究員
2002-2005 核燃料サイクル研究開発機構客員研究員
2012-電力中央研究所の福島第一廃炉に関わる研究の総括責任者 (研究参事)

3. 主な著作

<本>

- [1] T.Koyama & M. Iizuka, "Chapter 18 Pyrochemical fuel cycle technologies for processing of spent nuclear fuels"(p.457-513), R. Taylor edited, "Reprocessing and recycling of spent nuclear fuel", Woodhead Publishing, April 2015. (ISBN 978-1-78242-212-9)
- [2] T. Koyama, "Chapter 10 Nuclear Engineering for Pyrochemical Treatment of Spent Nuclear Fuel"(p. 269-310), K.L. Nash & G. J. Lumetta edited, "Advanced Separation Techniques for Nuclear Fuel Reprocessing and Radioactive Waste Treatment", Woodhead Publishing, March 2011. (ISBN 978-1-84569-501-9)

<論文>

- [1] T. Koyama, T.R. Johnson, and D.F. Fischer, "Distribution of Actinides in Molten Chloride Salt / Cadmium Metal Systems", *J. Alloys and Compounds*, V189(1), 37-44(1992).
- [2] T. Koyama, M. Iizuka, Y. Shoji, R. Fujita, H. Tanaka, T. Kobayashi, M. Tokiwai, "An Experimental Study of Molten Salt Electrorefining of Uranium Using Solid Iron Cathode and Liquid Cadmium Cathode for Development of Pyrometallurgical Reprocessing", *J. Nuclear Science and Technology*, V34(4), 384-393(1997).
- [3] T.Koyama, K. Kinoshita, T. Inoue, R. Malmbeck, J-P. Glatz, L. Koch, "Study of electrorefining of U-Pu-Zr alloy fuel" *J. Nuclear Science and Technology* Supplement 3, 765-768(2002).
- [4] T. Koyama, T. Hijikata, T. Usami, S. Kitawaki, T. Shinozaki, M. Fukushima, "Integrated Experiments of Electrometallurgical Pyroprocessing using Plutonium Oxide", *J.Nuclear Science and Technology*, V44(3),382-392(2007). Awarded "**AESJ Best Paper Award**"
- [5] T. Koyama, Y. Sakamura and M. Iizuka, "Pyrochemical Reprocessing of Used Nuclear Fuels," *ECS Transactions*, 33(7), 339-349 (2010).
- [6] T. Koyama, T. Tsukada, T. Hijikata, K. Uozumi, K. Inagaki, Y. Nauchi, K. Ishikawa, S. Ono, S. Suzuki, M. Denton, J. Raymond, R. Keenan and G. Bonhomme, "R&D Back-ups for Design and Operation of the Kurion Media System for Early Construction of the Contaminated Water Treatment System in Fukushima Daiichi Nuclear Power Station", GLOBA2011, Makuhari, Chiba, December, (2011).