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J-PARC 物質・生命科学実験施設(MLF)を用いた文化財試料等を対象とする 連携研究

Collaborative Research on Cultural Heritage Samples by Using MLF at J-PARC

学術論文 (査読あり)

[1] H. Sato, Y. Kiyanagi, K. Oikawa, K. Ohmae, A. H. Pham, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani and M. Itoh, “Crystallographic microstructure study of a Japanese sword made by Noritsuna in the Muromachi period by pulsed neutron Bragg-edge transmission imaging”, Materials Research Proceedings, (査読中)

[2] K. Oikawa, Y. Kiyanagi, H. Sato, K. Ohmae, A. H. Pham, K. W, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani, M. Ito, “Pulsed neutron imaging based crystallographic structure study of a Japanese sword made by Sukemasa in the Muromachi period”, Materials Research Proceedings, (査読中)

[3] Y. Matsumoto, K. Watanabe, K. Ohmae, A. Uritani, Y. Kiyanagi, H. Sato, M. Ohnuma, A.H. Pham, S. Morito, T. Ohba, K. Oikawa, T. Shinohara, T. Kai, S. Harjo, M. Ito, “Comparative study of ancient and modern Japanese swords using neutron tomography”, Materials Research Proceedings, (査読中)

[4] K. Ohmae, Y. Kiyanagi, H. Sato, K. Oikawa, A.H. Pham, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani and M. Ito, “Crystallographic structure study of a Japanese sword Masamitsu made in the 1969 using pulsed neutron imaging”, Materials Research Proceedings, (査読中)

修士論文

[1] 大前良磨、「中性子ブラッグエッジ解析コード RITS におけるシングルエッジフィッティングの安定性の向上及び日本刀の結晶構造組織解析」, 名古屋大学大学院工学研究科 修士論文 (2019)

国際会議

[1] H. Sato, Y. Kiyanagi, K. Oikawa, K. Ohmae, A. H. Pham, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani and M. Ito, Crystallographic structure study of a Japanese sword Noritsuna in Muromachi period using pulsed neutron imaging, 11th World Conference on Neutron Radiography (WCNR-11), Sydney, Australia, September, 2018 (ポスター発表)

[2] K. Oikawa, Y. Kiyanagi, H. Sato, K. Ohmae, A. H. Pham, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani, M. Ito, Crystallographic structure study of a Japanese sword Sukemasa in Muromachi period using pulsed neutron imaging, 11th World Conference on Neutron Radiography (WCNR-11), Sydney, Australia, September, 2018 (ポスター発表)

[3] Y. Matsumoto, K. Watanabe, K. Ohmae, A. Uritani, Y. Kiyanagi, H. Sato, M. Ohnuma, A.H. Pham, S. Morito, T. Ohba, K. Oikawa, T. Shinohara, T. Kai, S. Harjo, M. Ito, Comparative study of ancient and modern Japanese swords using neutron tomography, 11th World Conference on Neutron Radiography (WCNR-11), Sydney, Australia, September, 2018 (ポスター発表)

[4] K. Ohmae, Y. Kiyanagi, H. Sato, K. Oikawa, A.H. Pham, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani and M. Ito, Crystallographic structure study of a modern Japanese sword Masamitsu using pulsed neutron imaging, 11th World Conference on Neutron Radiography (WCNR-11), Sydney, Australia, September, 2018 (ポスター発表)

[5] Y. Kiyanagi, K. Oikawa, H. Sato, K. Ohmae, P.H. Annh, K. Watanabe, Y. Matsumoto, T. Shinohara, T. Kai, S. Harjo, M. Ohnuma, S. Morito, T. Ohba, A. Uritani, M. Ito, Comparison of crystallographic structures of Japanese swords in Muromach and modern periods by using pulsed neutron imaging, 11th World Conference on Neutron Radiography

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