

[19018]

放射線誘起表面活性による軽水炉内の腐食・伝熱特性の向上に関する基礎研究
Fundamental study on improvements of corrosion protection and boiling heat transfer characteristics by Radiation induced surface activation

学術論文（査読あり）

- [1] Wilson Susanto, Tomonori Ihara, Tatsuya Hazuku, Shinichi Morooka, Sho Kano, “Surface Wettability Enhancement on Oxide Film Coated-Steels due to Gamma-Ray Irradiation,” Mechanical Engineering Journal, (2020).

学術論文（査読なし）

なし

博士論文

なし

修士論文

- [1] Wilson Susanto, “Evaluation of Wettability Change on Metals due to Radiation Induced Surface Activation at High Temperatures,” 東京海洋大学修士学位論文, (2019).

卒業論文

なし

国際会議

- [1] Wilson Susanto, Tomonori Ihara, Tatsuya Hazuku, Shinichi Morooka, Sho Kano, “Surface Wettability Enhancement on Oxide Film Coated-Steels due to Gamma-Ray Irradiation,” Proc. The 27th International Conference on Nuclear Engineering (ICONE27), ICONE27-2165 (2019).
[2] Wilson Susanto, Tomonori Ihara, Tatsuya Hazuku, Shinichi Morooka, Daisuke Ito, “Neutron Imaging of Capillary Effect Under High-Pressure and High Temperature Condition,” Proc. ASME - JSME - KSME Joint Fluids Engineering Conference 2019 (AJKFluids 2019), AJKFluids2019-5589 (2019).

国内会議

- [1] Wilson Susanto, Tomonori Ihara, Tatsuya Hazuku, Shinichi Morooka, Daisuke Ito, Yasush Saito, “Evaluation of Wettability in Stainless Pipe Under High Temperature Based on Observation of Capillary Action,” 日本混相流学会 混相流シンポジウム 2019 講演論文集, 0180 (2019).

招待講演等

なし

解説・記事等

なし

新聞発表等

なし

特許等

なし