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放射線照射による伝熱への影響評価

Evaluation of Heat Removal Performance under Gamma Ray Irradiation

学術論文（査読あり）

- [1] K. Wang*, N. Erkan, H. Gong, L. Wang, K. Okamoto, Comparison of pool boiling CHF of a polished copper block and carbon steel block on a declined slope, J. Nucl. Sci. Technol. 9(55) (2018) 1–14.
- [2] K. Wang*, N. Erkan, H. Gong, K. Okamoto. Effects of carbon steel surface oxidation on critical heat flux in downward-face pool boiling. Int. J. Heat. Mass. Transf. 136 (2019) 470–485.

学術論文（査読なし）

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- [2]

博士論文

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修士論文

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卒業論文

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国際会議

- [1] Heat Pipe Heat Removal System Applied in Fukushima NPP Decommissioning
Yao ZHANG, Shunichi SUZUKI, Koji OKAMOTO, NUTHOS-12, Oct 14-18(2018), Qingdao, China
- [2] A New Concept to Retrieve the Fuel Debris from the Fukushima Dai-ichi NPP,
Shunichi SUZUKI, Yao ZHANG, Taichi SAKAI, Takayuki SAIMU, Akihito KAWASHIMA and Koji
OKAMOTO, ICMST, Oct 24(2018), Sendai (Japan)
- [3] Kai Wang*, Nejdert Erkan, Koji Okamoto, Preliminary research on the oxidation effect of the carbon steel plate of downward facing pool boiling by two-dimensional image. London, UK, Icone-26, July. 22-27, 2018
- [4] Kai Wang*, Nejdert Erkan, Koji Okamoto, Numerical simulation of a single bubble formation under a downward face. Fukushima, Japan, 11th XJTU-UT-SJTU Joint International Symposium on Nuclear Science and Technology, August. 1-3, 2018

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- [1] Kai Wang*, Nejdert Erkan, Koji Okamoto, Preliminary CFD simulation of critical heat flux for subcooled water flow boiling in vertical heated tubes. 岡山大学津島キャンパス, 日本原子力学会「2018 年秋の大会」, September. 05-07, 2018
- [2] Kai Wang*, Koji Okamoto, Nejdert Erkan, A study of copper oxidation for critical heat flux in downward-faced flow boiling. 茨城大学水戸キャンパス, 日本原子力学会「2019 年春の大会」, March. 20-22, 2019

招待講演等

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解説・記事等

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新聞発表等

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特許等

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