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Authors: M.H. Bahrevar, G. Jahanfarnia, A. pazirandeh, M. Shayesteh



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**Thermal-hydraulic analysis of a novel design Super Critical Water Reactor with Al<sub>2</sub>O<sub>3</sub> nanofluid as a coolant**

**M. H. Bahrevar<sup>a</sup>, G. Jahanfarnia<sup>a\*</sup>, A. pazirandeh<sup>a</sup>, M. Shayesteh<sup>b</sup>**

**<sup>a</sup>Department of Nuclear Engineering, Science and Research Branch, Islamic Azad University, Tehran, Iran**

**<sup>b</sup>Physics Department, Imam Hossein University, Tehran, Iran**

**\* Corresponding author. Tel.: +98 44869654; fax: +98 21 44817170.**

**E-mail address: jahanfarnia@yahoo.com (G. Jahanfarnia).**

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