Accepted Manuscript

Meso-scale multi-physics full coupling within porous CRUD deposits on nuclear fuel

Byunggi Park, Seungjin Seo, Sung Joong Kim, Ji Hyun Kim, Sungyeol Choi

PII: S0022-3115(18)30017-5

DOI: 10.1016/j.jnucmat.2018.10.002

Reference: NUMA 51241

To appear in: Journal of Nuclear Materials

Received Date: 5 January 2018

Revised Date: 4 September 2018

Accepted Date: 2 October 2018

Please cite this article as: B. Park, S. Seo, S.J. Kim, J.H. Kim, S. Choi, Meso-scale multi-physics full coupling within porous CRUD deposits on nuclear fuel, *Journal of Nuclear Materials* (2018), doi: https://doi.org/10.1016/j.jnucmat.2018.10.002.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Meso-scale Multi-physics Full Coupling within Porous CRUD Deposits on Nuclear Fuel

Byunggi Park^{1,+}, Seungjin Seo^{2,+}, Sung Joong Kim³, Ji Hyun Kim⁴, Sungyeol Choi^{2,*},

Byunggi Park (byunggi@sch.ac.kr)

Seungjin Seo (mistloin@kaist.ac.kr)

Sung Joong Kim (sungjkim@hanyang.ac.kr)

Ji Hyun Kim (kimjh@unist.ac.kr)

¹ Department of Energy and Environmental Engineering, Soonchunhyang University, 22 Soonchunhyangro, Asan, Chungcheongnam-do, 31538, Republic of Korea

² Department of Nuclear and Quantum Engineering, Korea Advanced Institute of Science and Technology,291 Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea

³ Department of Nuclear Engineering, Hanyang University, 222 Wangsimni-ro, Seongdong-gu, Seoul, 04763, Republic of Korea

⁴ Department of Nuclear Engineering, Ulsan National Institute of Science and Technology, 50 UNIST-gil, Ulsan, 44919, Republic of Korea

^{*} Corresponding author, Sungyeol Choi, E-mail: sungyeolchoi@kaist.ac.kr

⁺ Both authors contributed equally to this work.

Download English Version:

https://daneshyari.com/en/article/11262912

Download Persian Version:

https://daneshyari.com/article/11262912

<u>Daneshyari.com</u>