JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research
Vol. 98, No. 11, November 2022

Special Topic Articles

Cover

Chemical compatibility is an important issue for the development of liquid breeder blanket systems and liquid divertor concepts of fusion reactors. Authors have studied about the corrosion mitigation measure by an in-situ self-formation of oxide layers in liquid metals. Figure indicates an in-situ self-forming behavior of an oxide layer on Zirconium metal immersed in liquid metal lead and an in-situ self-healing behavior of artificially damaged region in the oxide layer.
(Atsushi KAWARAI and Masatoshi KONDO, Plasma and Fusion Research, Vol. 17, 2405059 (2022) http://www.jspf.or.jp/)

Published Monthly by
The Japan Society of Plasma Science and Nuclear Fusion Research
3-1-1 Uchiyama, Chikusa-ku, Nagoya 464-0075, Japan
Tel (052)735-3185, Fax (052)735-3485, E-mail: plasma@jspf.or.jp, URL: http://www.jspf.or.jp/