

JOURNAL OF PLASMA AND FUSION RESEARCH

The Journal of the Japan Society of Plasma Science and Nuclear Fusion Research  
 Vol. 102, No. 2, February 2026

Commentary

Fusion Energy Innovation Strategy: Recent Initiatives based on National Strategy and Domestic and International Trends ..... BABA Daisuke and KAJITANI Hideki 51

Lecture Note

Physical Modeling and Simulation Using Neural Networks  
 1. Introduction ..... YAGUCHI Takaharu 57  
 2. Physics-Informed Neural Network ..... IMADERA Kenji 60

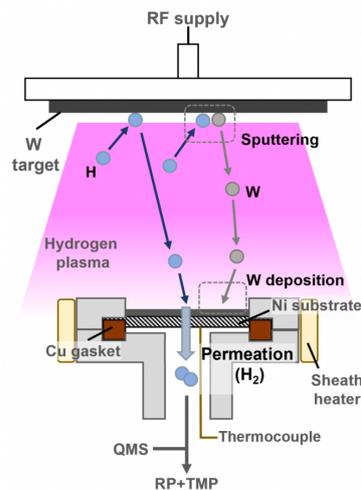
Contributed Paper

Does Fusion Drive Industrial and Regional Economic Development?:  
 Estimation of the Economic Impacts of a Fusion Power Plant  
 ..... IWAMOTO Misa, KERR Naomi, KUME Yoshifumi,  
 MANAGI Shunsuke and TAKEDA Shutaro 65

PFR List ..... 74

Information ..... 76

Announcement ..... 84



Cover

This diagram illustrates an experimental setup simulating the co-deposition of hydrogen and sputtered W occurring near plasma-facing walls in fusion reactors. RF hydrogen plasma sputters W particles from a target onto a substrate while hydrogen permeating through the substrate is measured by QMS. This system enables dynamic, simultaneous measurement of W deposition and hydrogen permeation, allowing for the investigation of permeation behavior during co-deposited layer formation.  
 (Kentarō MASUTA, Kazunari KATAYAMA, Plasma and Fusion Research, Vol. 20, 1405054 (2025) <https://www.jspf.or.jp/>)