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Abou-Sena, A.; Löbbecke, B.; von der Weth, A.; Knitter, R.
Effect of post welding heat treatment of the HCPB TBM on Eurofer and lithium orthosilicate pebbles.
Fusion Engineering and Design, 86(2011) S.2254-2257

Antusch, S.; Norajitra, P.; Piotter, V.; Ritzhaupt-Kleissl, H.J.
Powder injection molding for mass production of He-cooled divertor parts.
Journal of Nuclear Materials, 417(2011) S.533-535

Holstein, N.; Krauss, W.; Konys, J.
Development of novel tungsten processing technologies for electro-chemical machining (ECM) of plasma facing components.
Fusion Engineering and Design, 86(2011) S.1611-1615

Kolb, M.; Knitter, R.; Kaufmann, U.; Mundt, D.
Enhanced fabrication process for lithium orthosilicate pebbles as breeding material.
Fusion Engineering and Design, 86(2011) S.2148-2151

Konys, J.; Krauss, W.; Steiner, H.; Novotny, J.; Skrypnik, A.
Flow rate dependent corrosion behavior of Eurofer steel in Pb-15.7Li.
Journal of Nuclear Materials, 417(2011) S.1191-1194

Konys, J.; Krauss, W.; Schroer, C.
Non-metal chemistry of heavy liquid metal corrosion of iron-based structural materials.
Ganesan, V. [Hrsg.]
International Conference on Vistas in Chemistry, Kalpakkam, IND, October 11-13, 2011
Proc. S.10-11, Indira Gandhi Centre for Atomic Research

Krauss, W.; Konys, J.; Holstein, N.; Zimmermann, H.
Al-based anti-corrosion and T-permeation barrier development for future DEMO blankets.
Journal of Nuclear Materials, 417(2011) S.1233-1236

Krauss, W.; Lorenz, J.; Holstein, N.; Konys, J.
Alternative electro-chemically based processing routes for joining of plasma facing components.
Fusion Engineering and Design, 86(2011) S.1607-1610

Munakata, K.; Mochizuki, K.; Wajima, T.; Wada, K.; Hara, K.; Shinozaki, T.; Takeishi, T.; Knitter, R.; Bekris, N.; Fujii, T.; Yamana, H.; Okuno, K.
Tritium release from ceramic breeder materials deposited with noble metals.
Journal of Nuclear Materials, 417(2011) S.731-734

Norajitra, P.; Antusch, S.; Basuki, W.; Spatafora, L.; Toth, V.
Newly developed innovative manufacturing technologies for He-cooled DEMO divertor.

38th IEEE Internat.Conf.on Plasma Science (ICOPS) and 24th Symposium on Fusion Engineering (SOFE),
Chicago, Ill., June 26-30, 2011
Proceedings publishing .online, Piscataway, N.J. : IEEE, 2011 Paper SP1-36

Rieth, M.; Boutard, J.L.; Dudarev, S.L.; Ahlgren, T.; Antusch, S.; Baluc, N.; Barthe, M.F.; Becquart, C.S.;
Ciupinski, L.; Correia, J.B.; Domain, C.; Fikar, J.; Fortuna, E.; Fu, C.C.; Gaganidze, E.; Galan, T.L.; Garcia-
Rosales, C.; Gludovatz, B.; Greuner, H.; Heinola, K.; Holstein, N.; Juslin, N.; Koch, F.; Krauss, W.;
Kurzydowski, K.J.; Linke, J.; Linsmeier, Ch.; Luzginova, N.; Maier, H.; Martinez, M.S.; Missiaen, J.M.;
Muhammed, M.; Munoz, A.; Muzyk, M.; Nordlund, K.; Nguyen-Manh, D.; Norajitra, P.; Opschoor, J.;
Pintsuk, G.; Pippan, R.; Ritz, G.; Romaner, L.; Rupp, D.; Schäublin, R.; Schlosser, J.; Uytendhouwen,
I.; van der Laan, J.G.; Veleva, L.; Ventelon, L.; Wahlberg, S.; Willaime, F.; Würster, S.; Yar, M.A.
Review of the EFDA programme on tungsten materials technology and science.
Journal of Nuclear Materials, 417(2011) S.463-467

Zmitko, M.; Poitevin, Y.; Boccaccini, L.; Salavy, J.F.; Knitter, R.; Möslang, A.; Magielsen, A.J.; Hegemann,
J.B.J.; Lässer, R.
Development and qualification of functional materials for the EU test blanket modules: strategy and R&D
activities.
Journal of Nuclear Materials, 417(2011) S.678-683