

# Takanori Hirose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4648474/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Technical issues related to the development of reduced-activation ferritic/martensitic steels as structural materials for a fusion blanket system. Fusion Engineering and Design, 2011, 86, 2549-2552.	1.9	61
2	Physical properties of F82H for fusion blanket design. Fusion Engineering and Design, 2014, 89, 1595-1599.	1.9	48
3	Progress of R&D on water cooled ceramic breeder for ITER test blanket system and DEMO. Fusion Engineering and Design, 2016, 109-111, 1637-1643.	1.9	27
4	The status of the Japanese material properties handbook and the challenge to facilitate structural design criteria for DEMO in-vessel components. Nuclear Fusion, 2021, 61, 116054.	3.5	14
5	Status of water cooled ceramic breeder blanket development. Fusion Engineering and Design, 2018, 136, 1550-1556.	1.9	10
6	Cylindrical breeding blankets for fusion reactors. Fusion Engineering and Design, 2018, 136, 1221-1225.	1.9	9
7	Evaluation of fatigue properties of reduced activation ferritic/martensitic steel, F82H for development of design criteria. Fusion Engineering and Design, 2020, 160, 111823.	1.9	9
8	Progress of water cooled ceramic breeder test blanket module system. Fusion Engineering and Design, 2020, 161, 112050.	1.9	9
9	Material strength standard of F82H for RCC-MRx. Fusion Engineering and Design, 2020, 161, 111952.	1.9	8
10	Design improvement of blanket box structure with fillet against water ingress. Fusion Engineering and Design, 2016, 112, 628-632.	1.9	6
11	Effect of potential factors in manufacturing process on mechanical properties of F82H. Fusion Engineering and Design, 2014, 89, 1684-1687.	1.9	5
12	Thermal mechanical characteristics of blanket first walls with different cooling channel shapes. Fusion Engineering and Design, 2018, 136, 146-150.	1.9	5
13	Effects of test environment on high temperature fatigue properties of reduced activation ferritic/martensitic steel, F82H. Fusion Engineering and Design, 2018, 136, 1073-1076.	1.9	4
14	Tritium breeding capability of water cooled ceramic breeder blanket with different container designs. Fusion Engineering and Design, 2019, 146, 1886-1890.	1.9	4