

Ki-Hak Im

List of Publications by Year in descending order

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22
papers

323
citations

1040056

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839539

18
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22
all docs

22
docs citations

22
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Design concept of K-DEMO for near-term implementation. Nuclear Fusion, 2015, 55, 053027.	3.5	91
2	A preliminary conceptual design study for Korean fusion DEMO reactor. Fusion Engineering and Design, 2013, 88, 488-491.	1.9	46
3	Conceptual design study of the K-DEMO magnet system. Fusion Engineering and Design, 2015, 96-97, 281-285.	1.9	34
4	Pre-conceptual design study on K-DEMO ceramic breeder blanket. Fusion Engineering and Design, 2015, 100, 159-165.	1.9	31
5	Investigation of technical gaps between DEMO blanket and HCCR TBM. Fusion Engineering and Design, 2018, 136, 190-198.	1.9	15
6	Recent progress in the design of the K-DEMO divertor. Fusion Engineering and Design, 2020, 159, 111770.	1.9	15
7	A Preliminary Development of the K-DEMO Divertor Concept. IEEE Transactions on Plasma Science, 2016, 44, 2493-2501.	1.3	13
8	Development of the Advanced Neutronic Analysis Model for the K-DEMO With MCNP Code. IEEE Transactions on Plasma Science, 2016, 44, 1751-1757.	1.3	12
9	Design updates of magnet system for Korean fusion demonstration reactor, K-DEMO. Fusion Engineering and Design, 2019, 146, 1086-1090.	1.9	10
10	Thermal-hydraulic analysis of water cooled breeding blanket of K-DEMO using MARS-KS code. Fusion Engineering and Design, 2015, 98-99, 1741-1746.	1.9	9
11	Development of thermal-hydraulic analysis methodology for multiple modules of water-cooled breeder blanket in fusion DEMO reactor. Fusion Engineering and Design, 2016, 103, 98-109.	1.9	9
12	Neutronic assessment of HCCR breeding blanket for DEMO. Fusion Engineering and Design, 2019, 146, 1338-1342.	1.9	9
13	Results of availability imposed configuration details developed for K-DEMO. Fusion Engineering and Design, 2016, 109-111, 1091-1095.	1.9	5
14	Nuclear analysis of structural damage and nuclear heating on enhanced K-DEMO divertor model. Nuclear Fusion, 2017, 57, 126044.	3.5	5
15	Thermohydraulic Assessment for the Modified Concept of the K-DEMO Divertor Target. Fusion Science and Technology, 2017, 72, 737-746.	1.1	4
16	Shutdown Dose Rate Calculation for the Preliminary Concept of K-DEMO Equatorial Port Area. IEEE Transactions on Plasma Science, 2018, 46, 1713-1716.	1.3	4
17	Preliminary electromagnetic loads calculation for the divertor of K-DEMO. Fusion Engineering and Design, 2019, 146, 2135-2139.	1.9	4
18	Thermo-hydraulic optimization study for a high heat flux unit of the K-DEMO divertor target. Fusion Engineering and Design, 2018, 134, 68-73.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Assessment of the activation induced by neutron irradiation in K-DEMO and thermal response under the decay heat. Fusion Engineering and Design, 2019, 146, 2323-2327.	1.9	3
20	Melting and evaporation analysis of the first wall in a water-cooled breeding blanket module under vertical displacement event by using the MARS code. Fusion Engineering and Design, 2017, 118, 52-63.	1.9	1
21	Conceptual Design Analysis of Tungsten Monoblock Components for KSTAR Divertor. IEEE Transactions on Plasma Science, 2016, 44, 1529-1533.	1.3	0
22	Application of the mesh adaptation technique to effective heat capacity method for melting simulation of the first wall in breeding blanket under high heat flux condition. Fusion Engineering and Design, 2018, 136, 891-896.	1.9	0