

Heun Tae Lee

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

217
citations

933447

10
h-index

1058476

14
g-index

24
all docs

24
docs citations

24
times ranked

244
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress of tungsten R&D for fusion application in Japan. Physica Scripta, 2011, T145, 014029.	2.5	39
2	Comparison between helium plasma induced surface structures in group 5 (Nb, Ta) and group 6 elements (Mo, W). Journal of Applied Physics, 2017, 121, .	2.5	21
3	Deuterium retention in W and binary W alloys irradiated with high energy Fe ions. Journal of Nuclear Materials, 2021, 545, 152749.	2.7	15
4	Ion-driven permeation of deuterium in tungsten by deuterium and carbon-mixed ion irradiation. Physica Scripta, 2011, T145, 014046.	2.5	14
5	Deuterium retention in various toughened, fine-grained recrystallized tungsten materials under different irradiation conditions. Physica Scripta, 2014, T159, 014048.	2.5	14
6	Critical concentration for hydrogen bubble formation in metals. Journal of Physics Condensed Matter, 2014, 26, 395402.	1.8	13
7	Deuterium ion-driven permeation in tungsten with different microstructures. Physica Scripta, 2011, T145, 014045.	2.5	12
8	The influence of nitrogen on deuterium permeation through tungsten. Physica Scripta, 2014, T159, 014021.	2.5	12
9	Elastic constants of beta tungsten thin films studied by picosecond ultrasonics and density functional theory. Applied Physics Letters, 2020, 116, 021901.	3.3	11
10	Surface erosion and modification of toughened, fine-grained, recrystallized tungsten exposed to TEXTOR edge plasma. Physica Scripta, 2014, T159, 014038.	2.5	10
11	Ethanol gas sensing performance of high-dimensional fuzz metal oxide nanostructure. Japanese Journal of Applied Physics, 2018, 57, 040316.	1.5	10
12	Influence of helium on deuterium retention in reduced activation ferritic martensitic steel (F82H) under simultaneous deuterium and helium irradiation. Physica Scripta, 2016, T167, 014067.	2.5	9
13	Spectroscopic study of hydrogen reflection at modified tungsten surface. Fusion Engineering and Design, 2018, 136, 100-105.	1.9	7
14	Tritium trapping behavior in tungsten pre-irradiated with D, He, Ar and N plasmas. Physica Scripta, 2014, T159, 014051.	2.5	5
15	Simulation study on the vapour shielding at solid walls under transient heat loads using weighted particle model. Contributions To Plasma Physics, 2018, 58, 594-601.	1.1	5
16	Modeling tungsten and carbon sputtering by carbon at elevated temperatures. Physica Scripta, 2009, T138, 014045.	2.5	4
17	Reflection properties of hydrogen ions at helium irradiated tungsten surfaces. Physica Scripta, 2016, T167, 014044.	2.5	4
18	Deuterium Retention in Damaged Tungsten. Fusion Science and Technology, 2011, 60, 1543-1547.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Incident Ion Energy and Temperature Dependence of Helium Bubble Formation and Its Impact on D-Retention under Simultaneous He-D Irradiation of Tungsten. Fusion Science and Technology, 2013, 63, 233-236.	1.1	3
20	Longitudinal and shear wave velocities in pure tungsten and tungsten fiber-reinforced tungsten composites. Physica Scripta, 2017, T170, 014024.	2.5	3
21	Material Mixing of Tungsten with Carbon and Helium. AIP Conference Proceedings, 2010, , .	0.4	2
22	Structure of C Deposition Layers under Various Deposition Conditions. Fusion Science and Technology, 2013, 63, 371-373.	1.1	0
23	Effect of Surface Damage on Thermal Response of Tungsten Monoblocks. Fusion Science and Technology, 2015, 68, 433-437.	1.1	0