Heun Tae Lee

List of Publications by Year
in descending order

23	217	933447 10	1058476 14
papers	citations	h-index	g-index

24	24	24	244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deuterium retention in W and binary W alloys irradiated with high energy Fe ions. Journal of Nuclear Materials, 2021, 545, 152749.	2.7	15
2	Elastic constants of beta tungsten thin films studied by picosecond ultrasonics and density functional theory. Applied Physics Letters, 2020, 116, 021901.	3.3	11
3	Spectroscopic study of hydrogen reflection at modified tungsten surface. Fusion Engineering and Design, 2018, 136, 100-105.	1.9	7
4	Ethanol gas sensing performance of high-dimensional fuzz metal oxide nanostructure. Japanese Journal of Applied Physics, 2018, 57, 040316.	1.5	10
5	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
6	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
7	Longitudinal and shear wave velocities in pure tungsten and tungsten fiber-reinforced tungsten composites. Physica Scripta, 2017, T170, 014024.	2.5	3
8	Reflection properties of hydrogen ions at helium irradiated tungsten surfaces. Physica Scripta, 2016, T167, 014044.	2.5	4
9	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
10	Effect of Surface Damage on Thermal Response of Tungsten Monoblocks. Fusion Science and Technology, 2015, 68, 433-437.	1.1	0
11	The influence of nitrogen on deuterium permeation through tungsten. Physica Scripta, 2014, T159, 014021.	2.5	12
12	Tritium trapping behavior in tungsten pre-irradiated with D, He, Ar and N plasmas. Physica Scripta, 2014, T159, 014051.	2.5	5
13	Surface erosion and modification of toughened, fine-grained, recrystallized tungsten exposed to TEXTOR edge plasma. Physica Scripta, 2014, T159, 014038.	2.5	10
14	Critical concentration for hydrogen bubble formation in metals. Journal of Physics Condensed Matter, 2014, 26, 395402.	1.8	13
15	Deuterium retention in various toughened, fine-grained recrystallized tungsten materials under different irradiation conditions. Physica Scripta, 2014, T159, 014048.	2.5	14
16	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
17	Structure of C Deposition Layers under Various Deposition Conditions. Fusion Science and Technology, 2013, 63, 371-373.	1.1	0
18	Deuterium ion-driven permeation in tungsten with different microstructures. Physica Scripta, 2011, T145, 014045.	2.5	12

#	Article	IF	Citations
19	Deuterium Retention in Damaged Tungsten. Fusion Science and Technology, 2011, 60, 1543-1547.	1.1	3
20	Recent progress of tungsten R&D for fusion application in Japan. Physica Scripta, 2011, T145, 014029.	2.5	39
21	Ion-driven permeation of deuterium in tungsten by deuterium and carbon-mixed ion irradiation. Physica Scripta, 2011, T145, 014046.	2.5	14
22	Material Mixing of Tungsten with Carbon and Helium. AIP Conference Proceedings, 2010, , .	0.4	2
23	Modeling tungsten and carbon sputtering by carbon at elevated temperatures. Physica Scripta, 2009, T138, 014045.	2.5	4