Sa Krat

List of Publications by Year
in descending order

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43	742	471509 17	552781 26
papers	citations	h-index	g-index

43	43	43	715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
2	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60
3	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	2.5	58
4	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	2.5	52
5	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	3.5	47
6	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46
7	Erosion at the inner wall of JET during the discharge campaign 2011â€“2012 in comparison with previous campaigns. Journal of Nuclear Materials, 2015, 456, 106-110.	2.7	28
8	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. Physica Scripta, 2017, T170, 014058.	2.5	27
9	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	2.5	26
10	Wetting properties of liquid lithium on lithium compounds. Fusion Engineering and Design, 2017, 117, 199-203.	1.9	24
11	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	1.3	23
12	Erosion at the inner wall of JET during the discharge campaigns 2001â€“2009. Journal of Nuclear Materials, 2013, 438, S780-S783.	2.7	21
13	Deuterium release from lithiumâ€“deuterium films, deposited in the magnetron discharge. Vacuum, 2014, 105, 111-114.	3.5	20
14	Comparison of erosion and deposition in JET divertor during the first three ITER-like wall campaigns. Physica Scripta, 2020, T171, 014059.	2.5	19
15	Erosion and deposition on JET divertor and limiter tiles during the experimental campaigns 2005â€“2009. Journal of Nuclear Materials, 2013, 438, S742-S745.	2.7	18
16	Tungsten-deuterium co-deposition: Experiment and analytical description. Vacuum, 2018, 149, 23-28.	3.5	18
17	Investigation of deuterium trapping and release in the JET ITER-like wall divertor using TDS and TMAP. Nuclear Materials and Energy, 2019, 19, 166-178.	1.3	18
18	Hydrocarbon film deposition inside cavity samples in remote areas of the JET divertor during the 1999â€“2001 and 2005â€“2009 campaigns. Journal of Nuclear Materials, 2015, 463, 822-826.	2.7	15

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19	The 9Be(p,p0)9Be, 9Be(p,d0)8Be, and 9Be(p,Î±0)6Li cross-sections for analytical purposes. Nuclear Instruments & Methods in Physics Research B, 2015, 358, 72-81.	1.4	14
20	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011â€“2012 ITER-like wall campaign. Nuclear Materials and Energy, 2017, 12, 548-552.	1.3	14
21	Evaluation of tritium retention in plasma facing components during JET tritium operations. Physica Scripta, 2021, 96, 124075.	2.5	14
22	Erosion at the inner wall of JET during the discharge campaign 2013â€“2014. Nuclear Materials and Energy, 2017, 11, 20-24.	1.3	12
23	Deuterium release from Li-D films exposed to atmospheric gases. Fusion Engineering and Design, 2017, 117, 163-167.	1.9	11
24	A setup for study of co-deposited films. Journal of Instrumentation, 2020, 15, P01011-P01011.	1.2	10
25	The Project of MEPhIST Tokamak. Physics of Atomic Nuclei, 2019, 82, 1329-1331.	0.4	7
26	Laser-aided diagnostic of hydrogen isotope retention on the walls of the Globus-M2 tokamak. Fusion Engineering and Design, 2021, 172, 112882.	1.9	7
27	Impurity re-distribution in the corner regions of the JET divertor. Physica Scripta, 2017, T170, 014060.	2.5	6
28	Temperature dependence of hydrogen co-deposition with metals. Fusion Engineering and Design, 2019, 146, 1043-1046.	1.9	6
29	Interaction of Li-D Films with Water Vapor. Physics Procedia, 2015, 71, 88-92.	1.2	5
30	Comparison of JET inner wall erosion in the first three ITER-like wall campaigns. Nuclear Materials and Energy, 2021, 29, 101072.	1.3	5
31	Helium accumulation in tungsten layers deposited in Ar-He magnetron discharge. Journal of Physics: Conference Series, 2020, 1686, 012020.	0.4	5
32	Deuterium retention in mixed Câ€“Wâ€“D films co-deposited in magnetron discharge in deuterium. Journal of Nuclear Materials, 2013, 438, 204-208.	2.7	4
33	Time-resolved studies of deuterium release from lithium films exposed to water vapor. Fusion Engineering and Design, 2017, 124, 333-337.	1.9	4
34	On the interaction of Liâ€“D films with nitrogen and oxygen at room temperature. Journal of Surface Investigation, 2016, 10, 860-863.	0.5	3
35	Elastic backscattering as a method for the measurement of the integral lithium content in thin films on fusion-relevant substrates. Nuclear Instruments & Methods in Physics Research B, 2019, 455, 124-133.	1.4	3
36	Post-mortem analyses of gap facing surfaces of tungsten tiles of T-10 ring limiter. Fusion Engineering and Design, 2021, 162, 112105.	1.9	3

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37	Model for hydrogen accumulation in co-deposited layers. Nuclear Materials and Energy, 2020, 24, 100763.	1.3	2
38	Analytical approach for description of deuterium content in deuterium-beryllium co-deposited layers. Nuclear Materials and Energy, 2021, 26, 100949.	1.3	2
39	Isotope exchange in Li-D co-deposited layers at temperatures below 200ÂÂ°C. Journal of Nuclear Materials, 2020, 532, 152064.	2.7	1
40	THE DEPENDENCE OF LITHIUM EMISSIVITY FROM TEMPERATURE IN VACUUM. Problems of Atomic Science and Technology, Series Thermonuclear Fusion, 2019, 42, 89-95.	0.2	1
41	Analysis of the Near-Surface Layers of Lithium Coatings Using Laser Induced Breakdown Spectroscopy. Physics of Atomic Nuclei, 2019, 82, 1234-1238.	0.4	0
42	Re-deposition of ITER-grade Be on plasma gun facility QSPA-Be: Characterization & plasma cleaning. Nuclear Materials and Energy, 2022, 30, 101111.	1.3	0
43	Deuterium and beryllium depth profiles into the W-coated JET divertor tiles after ITER-like wall campaigns. Nuclear Materials and Energy, 2022, 30, 101151.	1.3	0