Sa Krat

List of Publications by Year
in descending order

43 papers	742 citations	471509 17 h-index	552781 26 g-index
43 all docs	43 docs citations	43 times ranked	715 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Analytical approach for description of deuterium content in deuterium-beryllium co-deposited layers. Nuclear Materials and Energy, 2021, 26, 100949.	1.3	2
5	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
6	Comparison of JET inner wall erosion in the first three ITER-like wall campaigns. Nuclear Materials and Energy, 2021, 29, 101072.	1.3	5
7	Evaluation of tritium retention in plasma facing components during JET tritium operations. Physica Scripta, 2021, 96, 124075.	2.5	14
8	Model for hydrogen accumulation in co-deposited layers. Nuclear Materials and Energy, 2020, 24, 100763.	1.3	2
9	Comparison of erosion and deposition in JET divertor during the first three ITER-like wall campaigns. Physica Scripta, 2020, T171, 014059.	2.5	19
10	A setup for study of co-deposited films. Journal of Instrumentation, 2020, 15, P01011-P01011.	1.2	10
11	Isotope exchange in Li-D co-deposited layers at temperatures below 200ÂÂ°C. Journal of Nuclear Materials, 2020, 532, 152064.	2.7	1
12	Helium accumulation in tungsten layers deposited in Ar-He magnetron discharge. Journal of Physics: Conference Series, 2020, 1686, 012020.	0.4	5
13	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
14	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60
15	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	1.3	23
16	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
17	Temperature dependence of hydrogen co-deposition with metals. Fusion Engineering and Design, 2019, 146, 1043-1046.	1.9	6
18	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

#	Article	IF	Citations
19	The Project of MEPhIST Tokamak. Physics of Atomic Nuclei, 2019, 82, 1329-1331.	0.4	7
20	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
21	Tungsten-deuterium co-deposition: Experiment and analytical description. Vacuum, 2018, 149, 23-28.	3.5	18
22	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
23	Time-resolved studies of deuterium release from lithium films exposed to water vapor. Fusion Engineering and Design, 2017, 124, 333-337.	1.9	4
24	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46
25	Erosion at the inner wall of JET during the discharge campaign 2013â€“2014. Nuclear Materials and Energy, 2017, 11, 20-24.	1.3	12
26	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	3.5	47
27	Impurity re-distribution in the corner regions of the JET divertor. Physica Scripta, 2017, T170, 014060.	2.5	6
28	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	2.5	26
29	Deuterium release from Li-D films exposed to atmospheric gases. Fusion Engineering and Design, 2017, 117, 163-167.	1.9	11
30	Wetting properties of liquid lithium on lithium compounds. Fusion Engineering and Design, 2017, 117, 199-203.	1.9	24
31	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. Physica Scripta, 2017, T170, 014058.	2.5	27
32	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
33	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	2.5	58
34	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	2.5	52
35	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
36	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

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37	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
38	Interaction of Li-D Films with Water Vapor. Physics Procedia, 2015, 71, 88-92.	1.2	5
39	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
40	Deuterium release from lithiumâ€“deuterium films, deposited in the magnetron discharge. Vacuum, 2014, 105, 111-114.	3.5	20
41	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
42	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
43	Erosion at the inner wall of JET during the discharge campaigns 2001â€“2009. Journal of Nuclear Materials, 2013, 438, S780-S783.	2.7	21