Ladislas Vignitchouk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1339163/publications.pdf

Version: 2024-02-01

23	476	623734	677142
papers	citations	14	22
		h-index	g-index

23	23	23	629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dustâ€“wall and dustâ€“plasma interaction in the MIGRAINe code. Plasma Physics and Controlled Fusion, 2014, 56, 095005.	2.1	63
2	Migration of tungsten dust in tokamaks: role of dustâ€“wall collisions. Nuclear Fusion, 2013, 53, 123002.	3.5	52
3	Dust remobilization in fusion plasmas under steady state conditions. Plasma Physics and Controlled Fusion, 2016, 58, 025009.	2.1	43
4	Resolidification-controlled melt dynamics under fast transient tokamak plasma loads. Nuclear Fusion, 2020, 60, 104001.	3.5	30
5	Interaction of adhered metallic dust with transient plasma heat loads. Nuclear Fusion, 2016, 56, 066010.	3.5	27
6	Highly resolved measurements of dust motion in the sheath boundary of magnetized plasmas. Nuclear Fusion, 2015, 55, 112001.	3.5	25
7	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	3.5	23
8	Survival and in-vessel redistribution of beryllium droplets after ITER disruptions. Nuclear Fusion, 2018, 58, 076008.	3.5	23
9	Tungsten dust remobilization under steady-state and transient plasma conditions. Nuclear Materials and Energy, 2017, 12, 569-574.	1.3	20
10	Analytical model of particle and heat flux collection by dust immersed in dense magnetized plasmas. Plasma Physics and Controlled Fusion, 2017, 59, 104002.	2.1	20
11	Elasticâ€“plastic adhesive impacts of tungsten dust with metal surfaces in plasma environments. Journal of Nuclear Materials, 2015, 463, 877-880.	2.7	19
12	Fast camera observations of injected and intrinsic dust in TEXTOR. Plasma Physics and Controlled Fusion, 2015, 57, 125017.	2.1	18
13	Modelling of dust generation, transport and remobilization in full-metal fusion reactors. Plasma Physics and Controlled Fusion, 2022, 64, 044004.	2.1	16
14	Simulations of liquid metal flows over plasma-facing component edges and application to beryllium melt events in JET. Nuclear Fusion, 2022, 62, 036016.	3.5	15
15	Transport and effects of ferromagnetic dust in a tokamak with a metallic vessel. Plasma Physics and Controlled Fusion, 2012, 54, 124043.	2.1	13
16	Interaction of metal dust adhered on castellated substrates with the ELMy H-mode plasmas of ASDEX-Upgrade. Nuclear Fusion, 2018, 58, 106023.	3.5	12
17	Numerical benchmark of transient pressure-driven metallic melt flows. Nuclear Materials and Energy, 2020, 25, 100826.	1.3	12
18	Pre-plasma remobilization of ferromagnetic dust in FTU and possible interference with tokamak operations. Nuclear Fusion, 2019, 59, 106033.	3.5	11

#	Article	IF	Citations
19	Experimental validation of the analytical model for tungsten dust - wall mechanical impacts incorporated in the MIGRAINe dust dynamics code. Nuclear Materials and Energy, 2017, 12, 524-529.	1.3	10
20	Validating heat balance models for tungsten dust in cold dense plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 115002.	2.1	9
21	Electron reflection effects on particle and heat fluxes to positively charged dust subject to strong electron emission. Physics of Plasmas, 2018, 25, 063702.	1.9	7
22	Transport asymmetry and release mechanisms of metal dust in the reversed-field pinch configuration. Plasma Physics and Controlled Fusion, 2014, 56, 035014.	2.1	4
23	Accumulation of beryllium dust in ITER diagnostic ports after off-normal events. Nuclear Materials and Energy, 2019, 20, 100684.	1.3	4