

Ladislav Vignitchouk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modelling of dust generation, transport and remobilization in full-metal fusion reactors. Plasma Physics and Controlled Fusion, 2022, 64, 044004.	2.1	16
2	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
3	Numerical benchmark of transient pressure-driven metallic melt flows. Nuclear Materials and Energy, 2020, 25, 100826.	1.3	12
4	Resolidification-controlled melt dynamics under fast transient tokamak plasma loads. Nuclear Fusion, 2020, 60, 104001.	3.5	30
5	Pre-plasma remobilization of ferromagnetic dust in FTU and possible interference with tokamak operations. Nuclear Fusion, 2019, 59, 106033.	3.5	11
6	Accumulation of beryllium dust in ITER diagnostic ports after off-normal events. Nuclear Materials and Energy, 2019, 20, 100684.	1.3	4
7	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
8	Survival and in-vessel redistribution of beryllium droplets after ITER disruptions. Nuclear Fusion, 2018, 58, 076008.	3.5	23
9	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
10	Validating heat balance models for tungsten dust in cold dense plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 115002.	2.1	9
11	Tungsten dust remobilization under steady-state and transient plasma conditions. Nuclear Materials and Energy, 2017, 12, 569-574.	1.3	20
12	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
13	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
14	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a . Nuclear Fusion, 2017, 57, 102014.	3.5	23
15	Interaction of adhered metallic dust with transient plasma heat loads. Nuclear Fusion, 2016, 56, 066010.	3.5	27
16	Dust remobilization in fusion plasmas under steady state conditions. Plasma Physics and Controlled Fusion, 2016, 58, 025009.	2.1	43
17	Highly resolved measurements of dust motion in the sheath boundary of magnetized plasmas. Nuclear Fusion, 2015, 55, 112001.	3.5	25
18	Fast camera observations of injected and intrinsic dust in TEXTOR. Plasma Physics and Controlled Fusion, 2015, 57, 125017.	2.1	18

#	ARTICLE	IF	CITATIONS
19	Elastic-plastic adhesive impacts of tungsten dust with metal surfaces in plasma environments. <i>Journal of Nuclear Materials</i> , 2015, 463, 877-880.	2.7	19
20	Transport asymmetry and release mechanisms of metal dust in the reversed-field pinch configuration. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 035014.	2.1	4
21	Dust-wall and dust-plasma interaction in the MIGRAINE code. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 095005.	2.1	63
22	Migration of tungsten dust in tokamaks: role of dust-wall collisions. <i>Nuclear Fusion</i> , 2013, 53, 123002.	3.5	52
23	Transport and effects of ferromagnetic dust in a tokamak with a metallic vessel. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124043.	2.1	13