

Alexey A Ayrapetov

List of Publications by Year in descending order

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22
papers

89
citations

1684188
5
h-index

1474206
9
g-index

22
all docs

22
docs citations

22
times ranked

33
citing authors

#	ARTICLE	IF	CITATIONS
1	Glow discharge cleaning of carbon fiber composite and stainless steel. Journal of Nuclear Materials, 2011, 415, S1042-S1045.	2.7	32
2	Deuterium trapping in carbon fiber composites exposed to D plasma. Journal of Nuclear Materials, 2009, 390-391, 589-592.	2.7	13
3	Hydrogen TDS spectra and their relation to the conditions of implantation and retention of hydrogen in graphite materials. Journal of Surface Investigation, 2010, 4, 567-571.	0.5	8
4	Hydrogen and oxygen trapping and retention in stainless steel and graphite materials irradiated in plasma. Nuclear Instruments & Methods in Physics Research B, 2013, 315, 110-116.	1.4	6
5	Surface Processes and Hydrogen Transport through the Stainless Steel Surface Under Atom and Ion Irradiation. Physics Procedia, 2015, 71, 93-98.	1.2	5
6	Stand for coating deposition and coating/materials testing. Journal of Physics: Conference Series, 2016, 700, 012041.	0.4	5
7	Hydrogen trapping in graphite materials in various conditions. Journal of Physics: Conference Series, 2016, 669, 012003.	0.4	4
8	Regularities and mechanisms of hydrogen trapping in graphitized carbon composite upon irradiation by atoms with thermal velocities. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 708-711.	0.6	3
9	Boron carbide coating deposition on tungsten substrates from atomic fluxes of boron and carbon. Journal of Physics: Conference Series, 2016, 748, 012003.	0.4	3
10	Thermal cycling and high power density hydrogen ion beam irradiation of tungsten layers on tungsten substrate. Journal of Physics: Conference Series, 2016, 748, 012009.	0.4	2
11	High particle and heat load material testing device. Journal of Physics: Conference Series, 2017, 789, 012044.	0.4	2
12	On the Trapping and Retention of Hydrogen Isotopes in Graphite under Sequential Hydrogen Plasma Irradiation. Journal of Surface Investigation, 2018, 12, 558-563.	0.5	2
13	Trapping and retention of deuterium in plasma-irradiated carbonic materials. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 227-232.	0.6	1
14	Hydrogen isotope trapping and retention in graphite and boron carbide under consecutive irradiation by deuterium and hydrogen plasma. Journal of Physics: Conference Series, 2018, 1058, 012002.	0.4	1
15	Effect of Fe-Cr-Al sublayer on the efficiency of aluminum oxide protective coating in a molten lead flow. Journal of Physics: Conference Series, 2021, 2036, 012031.	0.4	1
16	Properties of graphite to be used as a material for the T-15MD tokamak plasma-facing elements. Journal of Physics: Conference Series, 2020, 1686, 012014.	0.4	1
17	Hydrogen retention in volumetric CFC structures. Journal of Physics: Conference Series, 2014, 516, 012026.	0.4	0
18	Methods of Boron-carbon Deposited Film Removal. Physics Procedia, 2015, 71, 58-62.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Boron carbide coating deposition on tungsten and testing of tungsten layers and coating under intense plasma load. <i>Physics of Atomic Nuclei</i> , 2015, 78, 1640-1642.	0.4	0
20	Hydrogen transport through stainless steel under plasma irradiation. <i>Journal of Physics: Conference Series</i> , 2016, 669, 012027.	0.4	0
21	Gasification and removal of carbon materials and redeposited boron-carbon layers exposed in an oxygen-ozone mixture. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2016, 80, 171-174.	0.6	0
22	Study of the interaction of atomic particle fluxes with fine-grained media. <i>Bulletin of the Lebedev Physics Institute</i> , 2016, 43, 66-68.	0.6	0