

Ravil A Usmanov

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

175
citations

1163117

8
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1125743

13
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24
all docs

24
docs citations

24
times ranked

64
citing authors

#	ARTICLE	IF	CITATIONS
1	Vacuum arc with a distributed cathode spot as a plasma source for plasma separation of spent nuclear fuel and radioactive waste. Plasma Physics Reports, 2015, 41, 808-813.	0.9	24
2	Parameters influencing plasma column potential in a reflex discharge. Physics of Plasmas, 2016, 23, .	1.9	22
3	Diffuse Vacuum Arc on the Nonthermionic Lead Cathode. IEEE Transactions on Plasma Science, 2017, 45, 140-147.	1.3	15
4	Diffuse vacuum arc on cerium dioxide hot cathode. Physics of Plasmas, 2018, 25, .	1.9	15
5	Electric potential profile created by end electrodes in a magnetized rf discharge plasma. AIP Advances, 2017, 7, .	1.3	14
6	Plasma mass separation in configuration with potential well. Journal Physics D: Applied Physics, 2021, 54, 414005.	2.8	11
7	The influence of reflex discharge electric field on propagation of injected lead plasma jet. Physics of Plasmas, 2018, 25, .	1.9	10
8	Experimental demonstration of plasma mass separation in a configuration with a potential well and crossed electric and magnetic fields. Plasma Physics and Controlled Fusion, 2021, 63, 032002.	2.1	9
9	Diffuse vacuum arc with heated cathode made of ceramic (CeO ₂) and metal (Cr) mixture. Plasma Sources Science and Technology, 2020, 29, 015004.	3.1	8
10	Study of the feasibility of distributed cathodic arc as a plasma source for development of the technology for plasma separation of SNF and radioactive wastes. Physics of Atomic Nuclei, 2015, 78, 1631-1634.	0.4	7
11	The study of the plasma jets of lead and silver simulating spent nuclear fuel components. Journal of Physics: Conference Series, 2018, 946, 012171.	0.4	7
12	Vacuum Arcs with Diffuse Cathode Attachment (Review). High Temperature, 2020, 58, 476-494.	1.0	7
13	Study of the Ion Composition of the Diffuse Vacuum Arc on a Hot Cathode by the Time-of-Flight Method. Plasma Physics Reports, 2020, 46, 611-616.	0.9	5
14	Investigation of the Influence of Injection Parameters on Particles Motion in Electric and Magnetic Fields for Designing Plasma Separation Technique. Plasma Physics Reports, 2018, 44, 1104-1113.	0.9	4
15	Numerical Simulation of Characteristics of Uranium and Fission Products Ion Fluxes in the Process of Plasma Separation. IEEE Transactions on Plasma Science, 2019, 47, 1546-1552.	1.3	4
16	Diffuse arc discharge with a hot cathode in a magnetic field as a plasma source of lead and silver mixture for the problem of spent nuclear fuel reprocessing. Journal of Physics: Conference Series, 2019, 1147, 012133.	0.4	3
17	High-voltage discharge in supersonic jet of plumbum vapor. Journal of Physics: Conference Series, 2015, 653, 012165.	0.4	2
18	Plasma jet characteristics in vacuum arc with diffused cathode spot. Journal of Physics: Conference Series, 2017, 830, 012059.	0.4	2

#	ARTICLE	IF	CITATIONS
19	On the parameters of the diffused vacuum arc with cerium oxide hot cathode. Journal of Physics: Conference Series, 2018, 946, 012170.	0.4	2
20	On the Feasibility of Plasma Separation of Spent Nuclear Fuel Components in a Nonuniform Magnetic Field. Plasma Physics Reports, 2019, 45, 454-458.	0.9	2
21	Analysis of non-ionized substance losses in experiments on plasma mass separation. Plasma Science and Technology, 2022, 24, 085504.	1.5	2
22	Diffuse vacuum arc with cerium oxide hot cathode. Journal of Physics: Conference Series, 2016, 774, 012190.	0.4	0
23	Propagation of the end-face electrodes potential in the plasma volume of rf discharge. Journal of Physics: Conference Series, 2018, 946, 012173.	0.4	0
24	Engineering and physical fundamentals for the plasma processing technology of MNUP and MOF spent nuclear fuel of fast neutron reactors. Journal of Physics: Conference Series, 2020, 1475, 012022.	0.4	0