Alexander S Kuprin

List of Publications by Year
in descending order

18	276	1040056 9	1199594 12
papers	citations	h-index	g-index

18	18	18	265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Irradiation resistance of vacuum arc chromium coatings for zirconium alloy fuel claddings. Journal of Nuclear Materials, 2018, 510, 163-167.	2.7	55
2	Deposition of chromium nitride coatings using vacuum arc plasma inÂincreased negative substrate bias voltage. Vacuum, 2015, 117, 27-34.	3.5	46
3	Structure of CrON coatings formed in vacuum arc plasma fluxes. Surface and Coatings Technology, 2017, 309, 920-930.	4.8	42
4	Mechanical properties of Cr-O-N coatings deposited by cathodic arc evaporation. Vacuum, 2018, 156, 97-107.	3.5	34
5	Structure and properties of CrN coatings formed using cathodic arc evaporation in stationary system. Transactions of Nonferrous Metals Society of China, 2019, 29, 799-810.	4.2	17
6	A new MAX phases-based electroconductive coating for high-temperature oxidizing environment. Composite Structures, 2021, 277, 114649.	5.8	16
7	Irradiation resistance of chromium coatings for ATFC in the temperature range 300â€“550Â°C. Journal of Nuclear Materials, 2021, 549, 152908.	2.7	15
8	Structure and Properties of ZrON Coatings Synthesized by Cathodic Arc Evaporation. Materials, 2021, 14, 1483.	2.9	14
9	Structural, mechanical and tribological properties of Cr-V-N coatings deposited by cathodic arc evaporation. Tribology International, 2022, 165, 107246.	5.9	12
10	Friction and Wear of Cr-O-N Coatings Characterized by Atomic Force Microscopy. Tribology in Industry, 2019, 41, 274-285.	1.1	5
11	Prototype Equipment and Techniques for Obtaining Đ¡avitation-Resistant Coatings To Be Applied fo Working Surfaces of Steam Turbine Blades Made of VT6 Titanium Alloy in Order to Replace Imported Counterparts. Science and Innovation, 2016, 12, 27-35.	0.7	5
12	DEPOSITION OF TiN-BASED COATINGS USING VACUUM ARC PLASMA IN INCREASED NEGATIVE SUBSTRATE BIAS VOLTAGE. , 2019, , 154-160.		5
13	Influence of nitrogen pressure on silicon content in Ti-Si-N coatings deposited by the vacuum-arc method. , 2010, , .		3
14	Effect of Metallic or Non-Metallic Element Addition on Surface Topography and Mechanical Properties of CrN Coatings. Nanomaterials, 2020, 10, 2361.	4.1	3
15	MECHANISMS OF RADIATION DAMAGE AND DEVELOPMENT OF STRUCTURAL MATERIALS FOR OPERATING AND ADVANCED NUCLEAR REACTORS. , 2021, , 3-20.		3
16	STRUCTURE AND PROPERTIES OF FeCr, CrAl AND FeCrAl COATINGS DEPOSITED BY CATHODIC ARC EVAPORATION. , 2021, , 119-128.		1
17	SURFACE MORPHOLOGY AND SPUTTERING OF FeCrAl COATING ON STEEL EXPOSED TO LOW-ENERGY DEUTERIUM PLASMAS. , 2019, , 190-194.		0
18	STRUCTURE AND PROPERTIES OF COATINGS BASED ON FeCrAl AND Cr18Ni10T. , 2020, , 125-131.		0