

Christina WÃ¼stefeld

List of Publications by Year in descending order

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papers

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citations

759233

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the aluminium content and the bias voltage on the microstructure formation in Ti1 [~] xAlxN protective coatings grown by cathodic arc evaporation. Surface and Coatings Technology, 2010, 205, 1345-1349.	4.8	48
2	Internal structure of clusters of partially coherent nanocrystallites in Cr [~] Al [~] N and Cr [~] Al [~] Si [~] N coatings. Surface and Coatings Technology, 2007, 201, 9476-9484.	4.8	34
3	Decomposition kinetics in Ti1-xAlxN coatings as studied by in-situ X-ray diffraction during annealing. Surface and Coatings Technology, 2011, 206, 1727-1734.	4.8	33
4	Interface phenomena in (super)hard nitride nanocomposites: from coatings to bulk materials. Chemical Society Reviews, 2012, 41, 5081.	38.1	28
5	Essential Factors Influencing the Bonding Strength of Cold-Sprayed Aluminum Coatings on Ceramic Substrates. Journal of Thermal Spray Technology, 2018, 27, 446-455.	3.1	27
6	Local heteroepitaxy as an adhesion mechanism in aluminium coatings cold gas sprayed on AlN substrates. Acta Materialia, 2017, 128, 418-427.	7.9	26
7	Thermal stability of nanolamellar fcc-Ti1-xAlxN grown by chemical vapor deposition. Acta Materialia, 2019, 174, 195-205.	7.9	26
8	Formation of defect structures in hard nanocomposites. Surface and Coatings Technology, 2008, 203, 572-578.	4.8	25
9	Crystallography of phase transitions in metastable titanium aluminium nitride nanocomposites. Surface and Coatings Technology, 2014, 257, 26-37.	4.8	19
10	On the polarisation and Mott-Schottky characteristics of an Fe-Mn-Al-Ni shape-memory alloy and pure Fe in NaCl-free and NaCl-contaminated Ca(OH)2,sat solution [~] A comparative study. Corrosion Science, 2021, 179, 109172.	6.6	17
11	Interplay of microstructural features in Cr1 [~] xAlxN and Cr1 [~] x [~] yAlxSiyN nanocomposite coatings deposited by cathodic arc evaporation. Surface and Coatings Technology, 2008, 202, 3199-3207.	4.8	15
12	Hydrodynamic modeling and time-resolved imaging reflectometry of the ultrafast laser-induced ablation of a thin gold film. Optics and Lasers in Engineering, 2020, 129, 106067.	3.8	14
13	Magnetic response of (Cr,Al,Si)N nanocrystallites on the microstructure of Cr [~] Al [~] Si [~] N nanocomposites. Zeitschrift F [~] 4r Kristallographie, 2010, 225, 599-609.	1.1	13
14	Capability of X-ray diffraction for the study of microstructure of metastable thin films. IUCr, 2014, 1, 446-456.	2.2	12
15	Thermally induced formation of metastable nanocomposites in amorphous Cr-Zr-O thin films deposited using reactive ion beam sputtering. Thin Solid Films, 2016, 612, 430-436.	1.8	9
16	Directionality of metal-induced crystallization and layer exchange in amorphous carbon/nickel thin film stacks. Carbon, 2020, 159, 656-667.	10.3	7
17	Microstructure and thermal stability of Mo-(Ag)-N coatings with high nitrogen content. Surface and Coatings Technology, 2018, 352, 257-264.	4.8	6
18	Microstructure Investigation of the PVD Thin Films of TRIP Steels. Solid State Phenomena, 2010, 160, 273-279.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Microstructure and adhesion characteristics of duplex coatings with different plasma-nitrided layers and a Cr-Al-Ti-N physical vapor deposition coating. Engineering Reports, 0, , e12364.	1.7	2
20	Influence of elevated temperature and reduced pressure on the degradation of iron nitride compound layer formed by plasma nitriding in <sc>AISI D2</sc> tool steels. Engineering Reports, 2022, 4, e12371.	1.7	0