

Adam Gilewicz

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The properties of molybdenum nitride coatings obtained by cathodic arc evaporation. <i>Surface and Coatings Technology</i> , 2013, 236, 149-158.	4.8	50
2	Deposition and characterisation of Mo ₂ N/CrN multilayer coatings prepared by cathodic arc evaporation. <i>Surface and Coatings Technology</i> , 2015, 279, 126-133.	4.8	49
3	The influence of nitrogen on the morphology of ZrN coatings deposited by magnetron sputtering. <i>Applied Surface Science</i> , 2020, 522, 146508.	6.1	47
4	Anti-wear multilayer coatings based on chromium nitride for wood machining tools. <i>Wear</i> , 2010, 270, 32-38.	3.1	39
5	Structure, Morphology, and Mechanical Properties of AlCrN Coatings Deposited by Cathodic Arc Evaporation. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1522-1531.	2.5	39
6	Ti ₂ Si ₂ C sputter deposited thin film coatings. <i>Surface and Coatings Technology</i> , 2004, 180-181, 341-346.	4.8	36
7	CrCN/CrN+ta-C multilayer coating for applications in wood processing. <i>Tribology International</i> , 2013, 57, 1-7.	5.9	32
8	Structure and Properties of AlCrN Coatings Deposited Using Cathodic Arc Evaporation. <i>Coatings</i> , 2020, 10, 793.	2.6	31
9	The Properties of Multilayer CrCN/CrN Coatings Dependent on Their Architecture. <i>Plasma Processes and Polymers</i> , 2011, 8, 333-339.	3.0	22
10	Structural, mechanical and tribological properties of ZrC thin films deposited by magnetron sputtering. <i>Vacuum</i> , 2019, 169, 108909.	3.5	20
11	Experimental Studies on Durability of PVD-Based CrCN/CrN-Coated Cutting Blade of Planer Knives Used in the Pine Wood Planing Process. <i>Materials</i> , 2020, 13, 2398.	2.9	16
12	Experimental Study of the Influence of Deposition of Multilayer CrN/CrCN PVD Coating on Austenitic Steel on Resistance to Cavitation Erosion. <i>Coatings</i> , 2020, 10, 487.	2.6	15
13	Structure of MoCN films deposited by cathodic arc evaporation. <i>Thin Solid Films</i> , 2015, 577, 94-96.	1.8	14
14	Structure and Properties of ZrON Coatings Synthesized by Cathodic Arc Evaporation. <i>Materials</i> , 2021, 14, 1483.	2.9	14
15	Comparative Investigations of AlCrN Coatings Formed by Cathodic Arc Evaporation under Different Nitrogen Pressure or Arc Current. <i>Materials</i> , 2021, 14, 304.	2.9	12
16	Effect of Silicon Concentration on the Properties of Al-Cr-Si-N Coatings Deposited Using Cathodic Arc Evaporation. <i>Materials</i> , 2020, 13, 4717.	2.9	9
17	Experimental tests of PVD AlCrN-coated planer knives on planing Scots pine (<i>Pinus sylvestris</i> L.) under industrial conditions. <i>European Journal of Wood and Wood Products</i> , 2021, 79, 645-665.	2.9	8
18	Application of dilatometry with modulated temperature for thermomechanical analysis of anti-wear coating/substrate systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 1609-1615.	3.6	7

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19	Analysis of the effect of antiwear CrN coating thickness on the evolution of thermomechanical interactions in the substrate/PVD coating system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 1241-1247.	3.6	7
20	Optimisation of mechanical properties of ZrC multilayer coatings. <i>Thin Solid Films</i> , 2020, 704, 138016.	1.8	7
21	Mechanical and anti-wear properties of multi-module Cr/CrN coatings. <i>International Journal of Surface Science and Engineering</i> , 2019, 13, 37.	0.4	5
22	Inter-Relationship between Coating Micro/Nanostructure and the Tribological Performance of Zrâ€“C Gradient Coatings. <i>Coatings</i> , 2020, 10, 1121.	2.6	4
23	Evolution of Phase Composition and Antibacterial Activity of Zrâ€“C Thin Films. <i>Processes</i> , 2020, 8, 260.	2.8	4
24	Optimisation of Mechanical Properties of Gradient Zrâ€“C Coatings. <i>Materials</i> , 2021, 14, 296.	2.9	4
25	Investigations of the thermo-mechanical stability of hybrid layers for tribological applications: Nitrided layer/CrCN coating system. <i>Vacuum</i> , 2018, 148, 276-285.	3.5	3
26	Effect of Metallic or Non-Metallic Element Addition on Surface Topography and Mechanical Properties of CrN Coatings. <i>Nanomaterials</i> , 2020, 10, 2361.	4.1	3
27	Moving towards sustainable manufacturing by extending the tool life of the pine wood planing process using the AlCrBN coating. <i>Sustainable Materials and Technologies</i> , 2021, 28, e00259.	3.3	3
28	Investigations on the Thermo-Mechanical Properties of CrN/CrCN Gradient Coatings Using a Thermo-Dilatometric Method. <i>Solid State Phenomena</i> , 2014, 223, 100-109.	0.3	2
29	Selected mechanical properties of AlCrN coatings deposited using cathodic arc evaporation method. , 2016, , 538-539.	0.1	2
30	Thermomechanical method in application to measurement of changes in stress states in substrate-PVD coating systems. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 188, 110380.	5.0	2
31	Optimization of CrN/CrCN Gradient Coatings. <i>Solid State Phenomena</i> , 0, 237, 41-46.	0.3	0
32	Effect of Atmosphere During Deposition on the Morphology, Mechanical Properties and Microfriction of Zr-Based Coatings. <i>Advanced Structured Materials</i> , 2022, , 271-319.	0.5	0
33	Influence of regeneration process parameters on geometry and defects of clearance surface of planer knives used in wood planing process. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, 1.	3.8	0