

Nazlim Bagcivan

List of Publications by Year in descending order

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docs citations

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455
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties and oxidation behaviour of (Al,Cr)N and (Al,Cr,Si)N coatings for cutting tools deposited by HPPMS. Thin Solid Films, 2008, 517, 1251-1256.	1.8	110
2	(Cr $_{1-x}$ Al $_x$)N: A comparison of direct current, middle frequency pulsed and high power pulsed magnetron sputtering for injection molding components. Thin Solid Films, 2013, 528, 180-186.	1.8	88
3	Influence of HPPMS pulse length and inert gas mixture on the properties of (Cr,Al)N coatings. Thin Solid Films, 2013, 549, 192-198.	1.8	51
4	PVD Coatings in Injection Molding Machines for Processing Optical Polymers. Plasma Processes and Polymers, 2007, 4, S144-S149.	3.0	40
5	CrN/AlN nanolaminate coatings deposited via high power pulsed and middle frequency pulsed magnetron sputtering. Thin Solid Films, 2014, 572, 153-160.	1.8	40
6	Modeling of Coating Process, Phase Changes, and Damage of Plasma Sprayed Thermal Barrier Coatings on Ni Base Superalloys. Advanced Engineering Materials, 2010, 12, 110-126.	3.5	30
7	Surface chemistry of PVD (Cr,Al)N coatings deposited by means of direct current and high power pulsed magnetron sputtering. Surface and Interface Analysis, 2013, 45, 1884-1892.	1.8	19
8	Thermal Cycling Behaviour of Lanthanum Zirconate as EB-PVD Thermal Barrier Coating. Advanced Engineering Materials, 2006, 8, 653-657.	3.5	18
9	Injection molding of products with functional surfaces by micro-structured, PVD coated injection molds. Production Engineering, 2011, 5, 415-422.	2.3	18
10	Improving Contour Accuracy and Strength of Reactive Air Braze (RAB) Ceramic/Metal Joints by Controlling Interface Microstructure. Advanced Engineering Materials, 2012, 14, 394-399.	3.5	15
11	Synthesis of nano-structured HPPMS CrN/AlN coatings. Journal Physics D: Applied Physics, 2013, 46, 084001.	2.8	15
12	Development of new transient liquid phase system Au-Sn-Au for microsystem technology. Frontiers of Mechanical Engineering in China, 2010, 5, 370-375.	0.4	13
13	Modeling and Simulation of Microstructure Formation for Porosity Prediction in Thermal Barrier Coatings Under Air Plasma Spraying Condition. Journal of Thermal Spray Technology, 2009, 18, 975-980.	3.1	12
14	Crystalline γ -Alumina Deposited in an Industrial Coating Unit for Demanding Turning Operations. Advanced Engineering Materials, 2010, 12, 75-79.	3.5	11
15	Thermal Investigation of Al ₂ O ₃ Thin Films for Application in Cutting Operations. Advanced Engineering Materials, 2009, 11, 590-594.	3.5	10
16	Influence of interlayer thickness of a thin noble metal MSIP-PVD coating on compound and system properties for glass lens moulding. Production Engineering, 2012, 6, 311-318.	2.3	10
17	Properties of (Ti,Al,Si)N coatings for high demanding metal cutting applications deposited by HPPMS in an industrial coating unit. Plasma Processes and Polymers, 2009, 6, S124.	3.0	8
18	Investigation of the properties of low temperature (Cr _{1-x} Al _x)N coatings deposited via hybrid PVD DC MSIP/HPPMS. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 667-672.	0.9	8

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19	New soldering processes and solder systems for hybrid microsystems: developments and applications. <i>Microsystem Technologies</i> , 2006, 12, 620-625.	2.0	7
20	Solders development and application process for a micro chip-camera. <i>Microsystem Technologies</i> , 2008, 14, 1887-1894.	2.0	6
21	Influence of the layer architecture of DLC coatings on their wear and corrosion resistance. <i>International Journal of Materials Research</i> , 2012, 103, 774-782.	0.3	6
22	Comparison of (Cr _{0.75} Al _{0.25})N Coatings Deposited by Conventional and High Power Pulsed Magnetron Sputtering. <i>Contributions To Plasma Physics</i> , 2012, 52, 601-606.	1.1	6
23	Influence of Ar/Kr ratio and pulse parameters in a Cr-N high power pulse magnetron sputtering process on plasma and coating properties. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	2.1	6
24	Injection moulding of optical functional micro structures using laser structured, PVD-coated mould inserts. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	6
25	Investigations on Nanolaminated TiZrN/CrN as a Tribological PVD Hard Coating for Incremental Sheet Forming Tools. <i>Advanced Engineering Materials</i> , 2009, 11, 674-679.	3.5	4
26	Arc Ion Plating Process Monitoring by Optical Emission Spectroscopy Exemplified for Chromium Containing Coatings. <i>Plasma Processes and Polymers</i> , 2009, 6, S357.	3.0	4
27	Effect of the Substrate Geometry on Plasma Synthesis of DLC Coatings. <i>Plasma Processes and Polymers</i> , 2009, 6, S425-S428.	3.0	4
28	Semi-solid forming of non axis-symmetric parts from steel grade X210CrW12 with PVD coated tools. <i>International Journal of Material Forming</i> , 2010, 3, 731-734.	2.0	4
29	Development and qualification of a MSIP PVD iridium coating for precision glass moulding. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 673-678.	0.9	4
30	Modelling and diagnostics of multiple cathodes plasma torch system for plasma spraying. <i>Frontiers of Mechanical Engineering</i> , 2011, 6, 324.	4.3	3
31	Application of variothermal heating concepts for the production of microstructured films using the extrusion embossing process. <i>Journal of Polymer Engineering</i> , 2012, 32, .	1.4	3
32	Thermal stability of silicon-doped Al ₂ O ₃ PVD coatings. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2013, 44, 679-683.	0.9	2
33	Microstructure behaviour and influence on thermally grown oxide formation of double-ceramic-layer EB-PVD thermal barrier coatings annealed at 1,300 Å°C under ambient isothermal conditions. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 879-893.	0.9	2
34	Application of Thermal Barrier Coatings on Open Porous Metallic Foams. <i>Plasma Processes and Polymers</i> , 2007, 4, S547-S550.	3.0	1
35	Influence of different pulse parameters on the deposition of Al ₂ O ₃ . Einfluss verschiedener Pulsparameter auf die Abscheidung von Al ₂ O ₃ . <i>Materialwissenschaft Und Werkstofftechnik</i> , 2010, 41, 670-674.	0.9	1
36	Hot Forging of C45 using PVD (Ti,Al)N/Al ₂ O ₃ Coated Dies. <i>Steel Research International</i> , 2010, 81, 603-609.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Wear Resistant PVD-Coatings for Components. , 0, , 547-553.		1