# Adrian Leyland

List of Publications by Year
in descending order



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|---|---|---|---|
| 136 papers | 14,195 citations | 57758 44 h-index | 19749 117 g-index |
| 136 all docs | 136 docs citations | 136 times ranked | 6946 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An investigation of precipitation strengthened Inconel 718 superalloy after triode plasma nitriding. Surface and Coatings Technology, 2022, 442, 128401. | 4.8 | 8 |
| 2 | Evaluation of the sliding wear and corrosion performance of triode-plasma nitrided Fe-17Cr-20Mn-0.5N high-manganese and Fe-19Cr-35Ni-1.2Si high-nickel austenitic stainless steels. Surface and Coatings Technology, 2021, 409, 126890. | 4.8 | 23 |
| 3 | On the Nitrogen-Induced Lattice Expansion of a Non-stainless Austenitic Steel, Invar 36Â®, Under Triode Plasma Nitriding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 436-447. | 2.2 | 17 |
| 4 | Investigation of the nanostructure of as-deposited and post-coat annealed CrCuAgN PVD nanocomposite coatings. Materials Chemistry and Physics, 2020, 255, 123499. | 4.0 | 1 |
| 5 | On the interstitial induced lattice inhomogeneities in nitrogen-expanded austenite. Scripta Materialia, 2020, 185, 146-151. | 5.2 | 16 |
| 6 | The influence of stacking fault energy on plasticity mechanisms in triode-plasma nitrided austenitic stainless steels: Implications for the structure and stability of nitrogen-expanded austenite. Acta Materialia, 2019, 164, 60-75. | 7.9 | 38 |
| 7 | CrCuAgN PVD nanocomposite coatings: Effects of annealing on coating morphology and nanostructure. Applied Surface Science, 2017, 392, 732-746. | 6.1 | 15 |
| 8 | Crystal size induced reduction in thermal hysteresis of Ni-Ti-Nb shape memory thin films. Applied Physics Letters, 2016, 108, . | 3.3 | 5 |
| 9 | Development of (AC)DC/AC Cyclic Electrochemical Corrosion Evaluation Protocols for Accelerated Testing of PVD Metallic Coatings. , 2016, , . | | 0 |
| 10 | Tribological behaviour of thermochemically surface engineered steels. , 2015, , 241-266. | | 9 |
| 11 | Fabrication of Nb2O5/SiO2 mixed oxides by reactive magnetron co-sputtering. Thin Solid Films, 2015, 589, 95-104. | 1.8 | 16 |
| 12 | Corrosion behaviour of triode plasma diffusion treated and PVD TiN-coated Tiâ€“6Alâ€“4V in acidified aqueous chloride environments. Surface and Coatings Technology, 2015, 280, 185-193. | 4.8 | 15 |
| 13 | The combined effects of Cu and Ag on the nanostructure and mechanical properties of CrCuAgN PVD coatings. Surface and Coatings Technology, 2015, 284, 101-111. | 4.8 | 16 |
| 14 | Small grain size zirconium-based coatings deposited by magnetron sputtering at low temperatures. Thin Solid Films, 2015, 591, 149-155. | 1.8 | 6 |
| 15 | A Comparative Study of the Corrosion Behaviour of PVD Al-Based Coatings on Mild Steel by EIS and (AC)DC/AC Electrochemical Evaluation Techniques. , 2015, , . | | 0 |
| 16 | Laser Texturing of Plasma Electrolytically Oxidized Aluminum 6061 Surfaces for Improved Hydrophobicity. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, . | 2.2 | 23 |
| 17 | High-rate reactive magnetron sputtering of zirconia films for laser optics applications. Applied Physics A: Materials Science and Processing, 2014, 116, 1229-1240. | 2.3 | 16 |
| 18 | Enhanced surface performance of Ti-6Al-4V alloy using a novel duplex process combining PVD-Al coating and triode plasma oxidation. Surface and Coatings Technology, 2014, 257, 154-164. | 4.8 | 15 |

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| 19 | Evaluating the effects of PIRAC nitrogen-diffusion treatments on the mechanical performance of Tiâ€“6Alâ€“4V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 619, 300-311. | 5.6 | 24 |
| 20 | Substrate and bonding layer effects on performance of DLC and TiN biomedical coatings in Hank's solution under cyclic impactâ€“sliding loads. Surface and Coatings Technology, 2013, 237, 219-229. | 4.8 | 31 |
| 21 | Impact wear and abrasion resistance of CrN, AlCrN and AlTiN PVD coatings. Surface and Coatings Technology, 2013, 215, 170-177. | 4.8 | 122 |
| 22 | Corrosion behaviour and galvanic coupling with steel of Al-based coating alternatives to electroplated cadmium. Materials Chemistry and Physics, 2013, 141, 128-137. | 4.0 | 11 |
| 23 | Surface modification of Tiâ€“6Alâ€“4V alloys using triode plasma oxidation treatments. Surface and Coatings Technology, 2012, 206, 4553-4561. | 4.8 | 23 |
| 24 | Laser surface modification treatment of aluminum bronze with B4C. Applied Surface Science, 2012, 263, 804-809. | 6.1 | 34 |
| 25 | Triode plasma diffusion treatment of titanium alloys. Surface and Coatings Technology, 2012, 212, 20-31. | 4.8 | 20 |
| 26 | Impact wear resistance of plasma diffusion treated and duplex treated/PVD-coated Tiâ€“6Alâ€“4V alloy. Surface and Coatings Technology, 2012, 206, 2645-2654. | 4.8 | 33 |
| 27 | An investigation into the tribological performance of Physical Vapour Deposition (PVD) coatings on high thermal conductivity Cu-alloy substrates and the effect of an intermediate electroless Niâ€“P layer prior to PVD treatment. Thin Solid Films, 2012, 520, 2922-2931. | 1.8 | 19 |
| 28 | Micro-abrasion wear testing of triode plasma diffusion and duplex treated Tiâ€“6Alâ€“4V alloy. Wear, 2012, 274-275, 377-387. | 3.1 | 22 |
| 29 | Tribological properties of duplex plasma oxidised, nitrided and PVD coated Tiâ€“6Alâ€“4V. Surface and Coatings Technology, 2011, 206, 395-404. | 4.8 | 38 |
| 30 | An investigation into the effect of Triode Plasma Oxidation (TPO) on the tribological properties of Ti6Al4V. Surface and Coatings Technology, 2011, 206, 1955-1962. | 4.8 | 17 |
| 31 | Evaluating the effects of plasma diffusion processing and duplex diffusion/PVD-coating on the fatigue performance of Tiâ€“6Alâ€“4V alloy. International Journal of Fatigue, 2011, 33, 1313-1323. | 5.7 | 38 |
| 32 | Microstructure and Thermal Stress Distributions in Laser Carbonitriding Treatment of Tiâ€“6Alâ€“4V Alloy. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2011, 133, . | 2.2 | 11 |
| 33 | Influence of Surface Hardening Depth on the Cavitation Erosion Resistance of a Low Alloy Steel. Journal of ASTM International, 2011, 8, 1-12. | 0.2 | 0 |
| 34 | Substitution of hexavalent chromate conversion treatment with a plasma electrolytic oxidation process to improve the corrosion properties of ion vapour deposited AlMg coatings. Surface and Coatings Technology, 2010, 205, 1750-1756. | 4.8 | 17 |
| 35 | Corrosion properties and contact resistance of TiN, TiAlN and CrN coatings in simulated proton exchange membrane fuel cell environments. Journal of Power Sources, 2010, 195, 3814-3821. | 7.8 | 127 |
| 36 | A study of the nanostructure and hardness of electron beam evaporated TiAlBN Coatings. Thin Solid Films, 2010, 518, 4273-4280. | 1.8 | 15 |

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| 37 | A study of the reciprocating-sliding wear performance of plasma surface treated titanium alloy. Wear, 2010, 269, 60-70. | 3.1 | 69 |
| 38 | Investigation into high-temperature corrosion in a large-scale municipal waste-to-energy plant. Corrosion Science, 2010, 52, 3861-3874. | 6.6 | 72 |
| 39 | The nanostructure, wear and corrosion performance of arc-evaporated CrBxNy nanocomposite coatings. Surface and Coatings Technology, 2009, 204, 246-255. | 4.8 | 33 |
| 40 | Mutifunctional arc ion plated TiO2 photocatalytic coatings with improved wear and corrosion protection. Surface and Coatings Technology, 2009, 203, 1689-1693. | 4.8 | 16 |
| 41 | Growth behavior and microstructure of arc ion plated titanium dioxide. Surface and Coatings Technology, 2009, 204, 915-922. | 4.8 | 21 |
| 42 | The morphology and structure of PVD ZrNâ€“Cu thin films. Journal Physics D: Applied Physics, 2009, 42, 085308. | 2.8 | 15 |
| 43 | Material transfer phenomena and failure mechanisms of a nanostructured Crâ€“Alâ€“N coating in laboratory wear tests and an industrial punch tool application. Surface and Coatings Technology, 2008, 203, 816-821. | 4.8 | 47 |
| 44 | Composition and structure-property relationships of chromium-diboride/molybdenum-disulphide PVD nanocomposite hard coatings deposited by pulsed magnetron sputtering. Applied Physics A: Materials Science and Processing, 2008, 91, 77-86. | 2.3 | 24 |
| 45 | Characterization studies of pulse magnetron sputtered hard ceramic titanium diboride coatings alloyed with silicon. Acta Materialia, 2008, 56, 4172-4182. | 7.9 | 17 |
| 46 | Tribological behaviour of pulsed magnetron sputtered CrB2 coatings examined by reciprocating sliding wear testing against aluminium alloy and steel. Surface and Coatings Technology, 2008, 202, 1470-1478. | 4.8 | 30 |
| 47 | Pulsed-bias magnetron sputtering of non-conductive crystalline chromia films at low substrate temperature. Journal Physics D: Applied Physics, 2008, 41, 035309. | 2.8 | 17 |
| 48 | Structure and mechanical properties of nitrogen-containing Zrâ€“Cu based thin films deposited by pulsed magnetron sputtering. Journal Physics D: Applied Physics, 2008, 41, 155301. | 2.8 | 13 |
| 49 | Hard and superhard TiAlBN coatings deposited by twin electron-beam evaporation. Surface and Coatings Technology, 2007, 201, 6078-6083. | 4.8 | 36 |
| 50 | A New Approach to the Deposition of Elemental Boron and Boron-Based Coatings by Pulsed Magnetron Sputtering of Loosely Packed Boron Powder Targets. Plasma Processes and Polymers, 2007, 4, S160-S165. | 3.0 | 9 |
| 51 | The Structure and Mechanical Properties of Ti-Si-B Coatings Deposited by DC and Pulsed-DC Unbalanced Magnetron Sputtering. Plasma Processes and Polymers, 2007, 4, S687-S692. | 3.0 | 23 |
| 52 | The influence of coatings on the oil-out performance of rolling bearings. Surface and Coatings Technology, 2007, 202, 1073-1077. | 4.8 | 17 |
| 53 | A TEM study of the structure of magnetron sputtered chromium diboride coatings. Journal of Physics: Conference Series, 2006, 26, 355-358. | 0.4 | 12 |
| 54 | Optimization of Nanostructured Tribological Coatings. Nanostructure Science and Technology, 2006, , 511-538. | 0.1 | 17 |

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| 55 | Nanostructural studies of PVD TiAlB coatings. Surface and Interface Analysis, 2006, 38, 731-735. | 1.8 | 9 |
| 56 | A simple transferable interatomic potential model for binary oxides applied to bulk and the (0001) surface. Journal of Crystal Growth, 2006, 290, 235-240. | 1.5 | 33 |
| 57 | Mechanical and tribological properties of CrTiCu(B,N) glassy-metal coatings deposited by reactive magnetron sputtering. Surface and Coatings Technology, 2006, 200, 4601-4611. | 4.8 | 10 |
| 58 | Thermal cyclic performance of NiAl/alumina-stabilized zirconia thermal barrier coatings deposited using a hybrid arc and magnetron sputtering system. Surface and Coatings Technology, 2006, 201, 3901-3905. | 4.8 | 5 |
| 59 | The effect of pulsed magnetron sputtering on the structure and mechanical properties of CrB2 coatings. Surface and Coatings Technology, 2006, 201, 3970-3976. | 4.8 | 41 |
| 60 | Correlation of elastic modulus, hardness and density for sputtered TiAlBN thin films. Thin Solid Films, 2006, 514, 81-86. | 1.8 | 23 |
| 61 | Microstructure of direct current and pulse magnetron sputtered Crâ€“B coatings. Thin Solid Films, 2006, 515, 1511-1516. | 1.8 | 43 |
| 62 | A model for galvanostatic anodising of Al in alkaline solutions. Electrochimica Acta, 2005, 50, 5458-5464. | 5.2 | 32 |
| 63 | Characterisation and tribological evaluation of nitrogen-containing molybdenumâ€“copper PVD metallic nanocomposite films. Surface and Coatings Technology, 2005, 190, 345-356. | 4.8 | 39 |
| 64 | Oxide ceramic coatings on aluminium alloys produced by a pulsed bipolar plasma electrolytic oxidation process. Surface and Coatings Technology, 2005, 199, 150-157. | 4.8 | 244 |
| 65 | Investigation of the nanostructure and post-coat thermal treatment of wear-resistant PVD CrTiCuBN coatings. Surface and Coatings Technology, 2005, 200, 310-314. | 4.8 | 10 |
| 66 | Hard tribological Tiâ€“Bâ€“N, Tiâ€“Crâ€“Bâ€“N, Tiâ€“Siâ€“Bâ€“N and Tiâ€“Alâ€“Siâ€“Bâ€“N coatings. Surface and Coatings Technology, 2005, 200, 208-212. | 4.8 | 86 |
| 67 | The structure and properties of chromium diboride coatings deposited by pulsed magnetron sputtering of powder targets. Surface and Coatings Technology, 2005, 200, 1366-1371. | 4.8 | 39 |
| 68 | Deposition of multicomponent chromium boride based coatings by pulsed magnetron sputtering of powder targets. Surface and Coatings Technology, 2005, 200, 1616-1623. | 4.8 | 31 |
| 69 | Deposition of yttria-stablized zirconia films using arc ion plating. Surface and Coatings Technology, 2005, 200, 1401-1406. | 4.8 | 15 |
| 70 | Residual stresses in plasma electrolytic oxidation coatings on Al alloy produced by pulsed unipolar current. Surface and Coatings Technology, 2005, 200, 1580-1586. | 4.8 | 115 |
| 71 | Investigation of the nanostructure and wear properties of physical vapor deposited CrCuN nanocomposite coatings. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 423-433. | 2.1 | 38 |
| 72 | Fatigue properties of KeroniteÂ® coatings on a magnesium alloy. Surface and Coatings Technology, 2004, 182, 78-84. | 4.8 | 171 |

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| 73 | Anodic processes in plasma electrolytic oxidation of aluminium in alkaline solutions. Electrochimica Acta, 2004, 49, 2085-2095. | 5.2 | 363 |
| 74 | Spatial characteristics of discharge phenomena in plasma electrolytic oxidation of aluminium alloy. Surface and Coatings Technology, 2004, 177-178, 779-783. | 4.8 | 117 |
| 75 | Design criteria for wear-resistant nanostructured and glassy-metal coatings. Surface and Coatings Technology, 2004, 177-178, 317-324. | 4.8 | 386 |
| 76 | Determination of the electron temperature profile above the evaporative source in an ion plating discharge by spatially resolved optical emission spectroscopy. Thin Solid Films, 2003, 434, 157-161. | 1.8 | 1 |
| 77 | The nanostructure and mechanical properties of PVD CrCu (N) coatings. Surface and Coatings Technology, 2003, 162, 222-227. | 4.8 | 49 |
| 78 | Discharge characterization in plasma electrolytic oxidation of aluminium. Journal Physics D: Applied Physics, 2003, 36, 2110-2120. | 2.8 | 404 |
| 79 | An electrochemical impedance spectroscopy study of the corrosion behaviour of PVD coated steels in 0.5 N NaCl aqueous solution: Part I. Establishment of equivalent circuits for EIS data modelling. Corrosion Science, 2003, 45, 1243-1256. | 6.6 | 323 |
| 80 | An electrochemical impedance spectroscopy study of the corrosion behaviour of PVD coated steels in 0.5 N NaCl aqueous solution: Part II.. Corrosion Science, 2003, 45, 1257-1273. | 6.6 | 446 |
| 81 | Investigation of interactions between inert gases and nitrogen in direct current triode discharges. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1683-1687. | 2.1 | 3 |
| 82 | Process Developments Towards Producing Well Adherent Duplex PAPVD Coatings. Surface Engineering, 2003, 19, 37-44. | 2.2 | 12 |
| 83 | Structure and corrosion properties of PVD Crâ€“N coatings. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 772-780. | 2.1 | 44 |
| 84 | Properties and Performance Crtialn of Multilayer Hard Coatings Deposited Using Magnetron Sputter Ion Plating. Surface Engineering, 2002, 18, 391-396. | 2.2 | 35 |
| 85 | Evidence of ionized metal clusters in ion plating discharges. Applied Physics Letters, 2002, 81, 1405-1407. | 3.3 | 0 |
| 86 | Kinetic aspects of aluminium titanate layer formation on titanium alloys by plasma electrolytic oxidation. Applied Surface Science, 2002, 200, 172-184. | 6.1 | 238 |
| 87 | Abrasive wear/corrosion properties and TEM analysis of Al2O3 coatings fabricated using plasma electrolysis. Surface and Coatings Technology, 2002, 149, 245-251. | 4.8 | 387 |
| 88 | Evaluating the microstructure and performance of nanocomposite PVD TiAlBN coatings. Surface and Coatings Technology, 2002, 151-152, 338-343. | 4.8 | 80 |
| 89 | A comparative study of the cyclic thermal oxidation of PVD nickel aluminide coatings. Surface and Coatings Technology, 2002, 155, 67-79. | 4.8 | 45 |
| 90 | Electron spectroscopic studies of nanocomposite PVD TiAlBN coatings. Vacuum, 2002, 67, 471-476. | 3.5 | 23 |

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| 91 | Plasma immersion ion implantation as a technique in duplex and hybrid processing. Vacuum, 2002, 68, 57-64. | 3.5 | 5 |
| 92 | Tribological evaluation of AISI 304 stainless steel duplex treated by plasma electrolytic nitrocarburising and diamond-like carbon coating. Wear, 2002, 253, 986-993. | 3.1 | 57 |
| 93 | Ion plating discharges: evidence of cluster formation during metal evaporation. Thin Solid Films, 2002, 414, 7-12. | 1.8 | 5 |
| 94 | A study of neonâ€“nitrogen interactions in d.c. glow discharges by optical emission spectroscopy. Thin Solid Films, 2001, 398-399, 507-512. | 1.8 | 12 |
| 95 | Cyclic oxidation resistance of Niâ€“Al alloy coatings deposited on steel by a cathodic arc plasma process. Surface and Coatings Technology, 2001, 135, 158-165. | 4.8 | 42 |
| 96 | Corrosion resistance of multi-layered plasma-assisted physical vapour deposition TiN and CrN coatings. Surface and Coatings Technology, 2001, 141, 164-173. | 4.8 | 205 |
| 97 | Effects of solution pH and electrical parameters on hydroxyapatite coatings deposited by a plasma-assisted electrophoresis technique. Journal of Biomedical Materials Research Part B, 2001, 57, 612-618. | 3.1 | 84 |
| 98 | Characteristics of a plasma electrolytic nitrocarburising treatment for stainless steels. Surface and Coatings Technology, 2001, 139, 135-142. | 4.8 | 123 |
| 99 | Duplex surface treatments combining plasma electrolytic nitrocarburising and plasma-immersion ion-assisted deposition. Surface and Coatings Technology, 2001, 142-144, 1129-1136. | 4.8 | 72 |
| 100 | Investigation into nitrogenâ€“inert gas interactions in d.c. diode glow discharges. Surface and Coatings Technology, 2001, 142-144, 540-545. | 4.8 | 8 |
| 101 | Characterisation of oxide films produced by plasma electrolytic oxidation of a Tiâ€“6Alâ€“4V alloy. Surface and Coatings Technology, 2000, 130, 195-206. | 4.8 | 589 |
| 102 | Deposition of duplex Al2O3/DLC coatings on Al alloys for tribological applications using a combined micro-arc oxidation and plasma-immersion ion implantation technique. Surface and Coatings Technology, 2000, 131, 506-513. | 4.8 | 66 |
| 103 | Low temperature deposition of Cr(N)/TiO2 coatings using a duplex process of unbalanced magnetron sputtering and micro-arc oxidation. Surface and Coatings Technology, 2000, 133-134, 331-337. | 4.8 | 39 |
| 104 | Deposition of layered bioceramic hydroxyapatite/TiO2 coatings on titanium alloys using a hybrid technique of micro-arc oxidation and electrophoresis. Surface and Coatings Technology, 2000, 125, 407-414. | 4.8 | 370 |
| 105 | On the significance of the H/E ratio in wear control: a nanocomposite coating approach to optimised tribological behaviour. Wear, 2000, 246, 1-11. | 3.1 | 2,330 |
| 106 | The influence of neon in the deposition of titanium nitride by plasma-assisted physical vapour deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 262, 227-231. | 5.6 | 5 |
| 107 | Wear behaviour of carbon-containing tungsten coatings prepared by reactive magnetron sputtering. Surface and Coatings Technology, 1999, 112, 85-90. | 4.8 | 36 |
| 108 | Structure, mechanical and tribological properties of sputtered TiAlBN thin films. Surface and Coatings Technology, 1999, 113, 126-133. | 4.8 | 69 |

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| 109 | A comparative study of the influence of plasma treatments, PVD coatings and ion implantation on the tribological performance of Tiâ€“6Alâ€“4V. Surface and Coatings Technology, 1999, 114, 70-80. | 4.8 | 104 |
| 110 | Thickness effects on the mechanical properties of micro-arc discharge oxide coatings on aluminium alloys. Surface and Coatings Technology, 1999, 116-119, 1055-1060. | 4.8 | 258 |
| 111 | Structure, mechanical and tribological properties of nitrogen-containing chromium coatings prepared by reactive magnetron sputtering. Surface and Coatings Technology, 1999, 115, 222-229. | 4.8 | 177 |
| 112 | The effect of boron additions on the tribological behaviour of TiN coatings produced by electron-beam evaporative PVD. Surface and Coatings Technology, 1999, 116-119, 648-653. | 4.8 | 37 |
| 113 | Plasma electrolysis for surface engineering. Surface and Coatings Technology, 1999, 122, 73-93. | 4.8 | 2,548 |
| 114 | Structure, hardness and mechanical properties of magnetron-sputtered titaniumâ€“aluminium boride films. Surface and Coatings Technology, 1999, 120-121, 412-417. | 4.8 | 84 |
| 115 | Deposition and characterization of nitrogen containing stainless steel coatings prepared by reactive magnetron sputtering. Vacuum, 1996, 47, 1077-1080. | 3.5 | 8 |
| 116 | Evaluation of PVD nitride coatings, using impact, scratch and Rockwell-C adhesion tests. Thin Solid Films, 1995, 270, 431-438. | 1.8 | 299 |
| 117 | Hybrid techniques in surface engineering. Surface and Coatings Technology, 1995, 71, 88-92. | 4.8 | 96 |
| 118 | An a.c. impedance study on PVD CrN-coated mild steel with different surface roughnesses. Surface and Coatings Technology, 1995, 76-77, 623-631. | 4.8 | 20 |
| 119 | Electrochemical impedance spectroscopy of PVD-TiN coatings on mild steel and AISI316 substrates. Surface and Coatings Technology, 1995, 76-77, 615-622. | 4.8 | 5 |
| 120 | The influence of process gas characteristics on the properties of plasma nitrided steel. Surface and Coatings Technology, 1995, 76-77, 694-699. | 4.8 | 20 |
| 121 | Plasmaâ€based surface engineering processes for wear and corrosion protection. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1995, 13, 1202-1207. | 2.1 | 41 |
| 122 | Thick Ti/TiN multilayered coatings for abrasive and erosive wear resistance. Surface and Coatings Technology, 1994, 70, 19-25. | 4.8 | 92 |
| 123 | The effect of process parameters on the plasma carbon diffusion treatment of stainless steels at low pressure. Surface and Coatings Technology, 1994, 63, 135-143. | 4.8 | 15 |
| 124 | Ionization in plasma-assisted physical vapour deposition systems. Surface and Coatings Technology, 1993, 61, 121-126. | 4.8 | 22 |
| 125 | Low temperature plasma diffusion treatment of stainless steels for improved wear resistance. Surface and Coatings Technology, 1993, 62, 608-617. | 4.8 | 158 |
| 126 | Metallurgical study of low-temperature plasma carbon diffusion treatments for stainless steels. Surface and Coatings Technology, 1993, 60, 416-423. | 4.8 | 58 |

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| 127 | TiN and CrN PVD coatings on electroless nickel-coated steel substrates. Surface and Coatings Technology, 1993, 60, 474-479. | 4.8 | 54 |
| 128 | The influence of process system characteristics on the uniformity of ion plated titanium nitride coatings. Vacuum, 1992, 43, 235-240. | 3.5 | 10 |
| 129 | A coating thickness uniformity model for physical vapour deposition systemsâ€"further validity tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 140, 576-582. | 5.6 | 17 |
| 130 | Evaluation of some new titanium-based ceramic coatings in tribological model wear and metal-cutting tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 140, 602-608. | 5.6 | 14 |
| 131 | A comparative study of the corrosion performance of TiN, Ti(B,N) and (Ti,Al)N coatings produced by physical vapour deposition methods. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 140, 722-726. | 5.6 | 64 |
| 132 | Evaluation of some titanium-based ceramic coatings on high speed steel cutting tools. Surface and Coatings Technology, 1991, 49, 468-473. | 4.8 | 34 |
| 133 | Corrosion performance of some titanium-based hard coatings. Surface and Coatings Technology, 1991, 49, 489-495. | 4.8 | 164 |
| 134 | Corrosion performance of layered coatings produced by physical vapour deposition. Surface and Coatings Technology, 1990, 43-44, 481-492. | 4.8 | 84 |
| 135 | Enhanced plasma nitriding at low pressures: A comparative study of d.c. and r.f. techniques. Surface and Coatings Technology, 1990, 41, 295-304. | 4.8 | 75 |
| 136 | The use of scratch adhesion testing for the determination of interfacial adhesion: The importance of frictional drag. Surface and Coatings Technology, 1988, 36, 503-517. | 4.8 | 251 |