# Teresa Vieira

## List of Publications by Year in descending order



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|---|---|---|---|
| 172 papers | 2,782 citations | 201674 27 h-index | 265206 42 g-index |
| 175 all docs | 175 docs citations | 175 times ranked | 2239 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Micro metal powder hot embossing: influence of binder on austenitic stainless steel microparts replicability. Powder Metallurgy, 2022, 65, 112-120. | 1.7 | 1 |
| 2 | Development of Actuators for Repairing Cracks by Coating W Wires with Reactive Multilayers. Materials, 2022, 15, 869. | 2.9 | 0 |
| 3 | Joining of Ti6Al4V to Al2O3 Using Nanomultilayers. Nanomaterials, 2022, 12, 706. | 4.1 | 0 |
| 4 | Micromechanical Modeling of the Material Impact in the Feedstock Filament Properties for Indirect Additive Manufacturing (MEX). , 2022, 8, . | | 0 |
| 5 | Dual Function WS2 Thin-Films as a Substrate for Ultrafast Response Thermocouple to Temperature Evaluation in Âµinjection Molding. , 2022, 8, . | | 0 |
| 6 | WC-Co Filament for Material Extrusion (MEX). , 2022, 8, . | | 0 |
| 7 | The Study of New NiTi Actuators to Reinforce the Wing Movement of Aircraft Systems. Materials, 2022, 15, 4787. | 2.9 | 2 |
| 8 | Enhancing the electrical and dielectric properties of ZnO nanoparticles through Fe dopingÂfor electric storage applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 1536-1556. | 2.2 | 25 |
| 9 | Diffusion Bonding of Ti6Al4V to Al2O3 Using Ni/Ti Reactive Multilayers. Metals, 2021, 11, 655. | 2.3 | 6 |
| 10 | Additive Manufacturing. U Porto Journal of Engineering, 2021, 7, 53-69. | 0.4 | 3 |
| 11 | Optimization of metallic powder filaments for additive manufacturing extrusion (MEX). International Journal of Advanced Manufacturing Technology, 2021, 115, 2449-2464. | 3.0 | 18 |
| 12 | Experimental Analysis of NiTi Alloy during Strain-Controlled Low-Cycle Fatigue. Materials, 2021, 14, 4455. | 2.9 | 3 |
| 13 | High-speed machining tool-steel chips as an outstanding raw material for indirect additive manufacturing?. Results in Materials, 2021, 11, 100207. | 1.8 | 3 |
| 14 | From Machining Chips to Raw Material for Powder Metallurgyâ€"A Review. Materials, 2021, 14, 5432. | 2.9 | 11 |
| 15 | Development and characterization of AISI 316L micro parts produced by metal powder hot embossing. International Journal of Advanced Manufacturing Technology, 2021, 113, 407-417. | 3.0 | 3 |
| 16 | Influence of Metallic Powder Characteristics on Extruded Feedstock Performance for Indirect Additive Manufacturing. Materials, 2021, 14, 7136. | 2.9 | 4 |
| 17 | Follow-up structural evolution of Ni/Ti reactive nano and microlayers during diffusion bonding of NiTi to Ti6Al4V in a synchrotron beamline. Journal of Materials Processing Technology, 2020, 275, 116354. | 6.3 | 17 |
| 18 | Characterization of Sintered Aluminium Reinforced with Ultrafine Tungsten Carbide Particles. Metals, 2020, 10, 1416. | 2.3 | 1 |

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| 19 | Effect of Deposition Parameters on the Reactivity of Al/Ni Multilayer Thin Films. Coatings, 2020, 10, 721. | 2.6 | 3 |
| 20 | In Search of the Optimal Conditions to Process Shape Memory Alloys (NiTi) Using Fused Filament Fabrication (FFF). Materials, 2020, 13, 4718. | 2.9 | 8 |
| 21 | MicroÂPowder Hot Embossing of Aluminum Feedstock. Journal of Materials Engineering and Performance, 2020, 29, 3395-3403. | 2.5 | 2 |
| 22 | Development of Metal Powder Hot Embossing: A New Method for Micromanufacturing. Metals, 2020, 10, 388. | 2.3 | 12 |
| 23 | New WC-Cu composites for the divertor in fusion reactors. Journal of Nuclear Materials, 2019, 521, 31-37. | 2.7 | 12 |
| 24 | Diffusion Bonding of TiAl to Ti6Al4V Using Nanolayers. Journal of Materials Engineering and Performance, 2018, 27, 5064-5068. | 2.5 | 8 |
| 25 | The role of nanocrystalline binder metallic coating into WC after additive manufacturing. Applied Surface Science, 2018, 427, 131-138. | 6.1 | 15 |
| 26 | Microstructural Characterization of Dissimilar Titanium Alloys Joints Using Ni/Al Nanolayers. Metals, 2018, 8, 715. | 2.3 | 10 |
| 27 | Effect of Reinforcement Type and Dispersion on the Hardening of Sintered Pure Aluminium. Metals, 2018, 8, 786. | 2.3 | 6 |
| 28 | Interaction between Ni/Ti Nanomultilayers and Bulk Ti-6Al-4V during Heat Treatment. Metals, 2018, 8, 878. | 2.3 | 4 |
| 29 | The effect of heating rate on the phase transformation of Ni/Ti multilayer thin films. Vacuum, 2017, 139, 23-25. | 3.5 | 8 |
| 30 | Positron Annihilation Study on Nanocrystalline Copper Thin Films Doped with Nitrogen. Advanced Structured Materials, 2017, , 15-24. | 0.5 | 1 |
| 31 | MWCNT reinforced SS 316L matrix composites. Advances in Materials and Processing Technologies, 2017, 3, 640-650. | 1.4 | 2 |
| 32 | Optimization of MWCNT â€“ Metal Matrix Composites feedstocks. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e87-e91. | 0.5 | 6 |
| 33 | Nondestructive testing in microfabrication using bacteria. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e262-e264. | 0.5 | 0 |
| 34 | In the search of nanocrystallinity in tool-steel chips. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e62-e64. | 0.5 | 1 |
| 35 | TiAl diffusion bonding using Ni/Ti multilayers. Welding in the World, Le Soudage Dans Le Monde, 2017, 61, 1267-1273. | 2.5 | 12 |
| 36 | Assessment of airborne nanoparticles present in industry of aluminum surface treatments. Journal of Occupational and Environmental Hygiene, 2017, 14, D29-D36. | 1.0 | 8 |

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| 37 | Joining of TiAl to Steel by Diffusion Bonding with Ni/Ti Reactive Multilayers. Metals, 2016, 6, 96. | 2.3 | 31 |
| 38 | Impact of Binder on AISI 316L Microcomponents Produced by Hot Embossing: SEM/EBSD Analysis. Microscopy and Microanalysis, 2016, 22, 50-51. | 0.4 | 11 |
| 39 | Characterization of TiAl diffusion bonds using Ni/Ti nanolayers. Microscopy and Microanalysis, 2016, 22, 54-55. | 0.4 | 0 |
| 40 | Cold rolled versus sputtered Ni/Ti multilayers for reaction-assisted diffusion bonding. Welding in the World, Le Soudage Dans Le Monde, 2016, 60, 337-344. | 2.5 | 14 |
| 41 | Ni/Al Multilayers Produced by Accumulative Roll Bonding and Sputtering. Journal of Materials Engineering and Performance, 2016, 25, 4394-4401. | 2.5 | 13 |
| 42 | Microstructural Characterization of Diffusion Bonds Assisted by Ni/Ti Nanolayers. Journal of Materials Engineering and Performance, 2016, 25, 3245-3251. | 2.5 | 7 |
| 43 | Reaction-assisted diffusion bonding of TiAl alloy to steel. Materials Chemistry and Physics, 2016, 171, 73-82. | 4.0 | 17 |
| 44 | Developments in micro- and nano-defects detection using bacterial cells. NDT and E International, 2016, 78, 20-28. | 3.7 | 4 |
| 45 | Microstructural Evaluation of Consolidated Modified SS 316L Powder. Microscopy and Microanalysis, 2015, 21, 21-22. | 0.4 | 0 |
| 46 | Microstructural Characterization of Metallic Parts Produced by Hot Embossing. Microscopy and Microanalysis, 2015, 21, 49-50. | 0.4 | 5 |
| 47 | Characterization of nanolayers at TiAl diffusion bonds. Microscopy and Microanalysis, 2015, 21, 96-97. | 0.4 | 0 |
| 48 | Microstructural characterization of WC-AISI304 composites obtained by selective laser sintering. Microscopy and Microanalysis, 2015, 21, 104-105. | 0.4 | 1 |
| 49 | Microstructural inspection of the M6C phase in heat-treated WC-AISI 304 stainless steel powders. Microscopy and Microanalysis, 2015, 21, 110-111. | 0.4 | 0 |
| 50 | EBSD Characterization of WC-AISI304 Cemented Carbides. Microscopy and Microanalysis, 2015, 21, 25-26. | 0.4 | 1 |
| 51 | NiTi Wires Coated by Nanomultilayers â€“ A Solution for Self-healing?. Microscopy and Microanalysis, 2015, 21, 11-12. | 0.4 | 0 |
| 52 | Phase transformations in Ni/Ti multilayers investigated by synchrotron radiation-based x-ray diffraction. Journal of Alloys and Compounds, 2015, 646, 1165-1171. | 5.5 | 17 |
| 53 | TEM and HRTEM Characterization of TiAl Diffusion Bonds Using Ni/Al Nanolayers. Microscopy and Microanalysis, 2015, 21, 132-139. | 0.4 | 13 |
| 54 | Mechanical behaviour of dental implants manufactured from metallic powders by Î¼MIM. CiÃªncia & Tecnologia Dos Materiais, 2014, 26, 89-95. | 0.5 | 2 |

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|---|---|---|---|
| 55 | Hot micro-embossing: effect of pressure on 316L metal parts. Powder Metallurgy, 2014, 57, 241-244. | 1.7 | 6 |
| 56 | Explosive consolidation of 316L stainless steel powder â€“ Effect of phase composition. Advanced Powder Technology, 2014, 25, 1469-1473. | 4.1 | 9 |
| 57 | Microstructure evolution and texture development in a friction stir-processed AISI D2 tool steel. Applied Surface Science, 2014, 293, 151-159. | 6.1 | 16 |
| 58 | Surface enhancement of cold work tool steels by friction stir processing with a pinless tool. Applied Surface Science, 2014, 296, 214-220. | 6.1 | 30 |
| 59 | In Situ Characterization of NiTi/Ti6Al4V Joints During Reaction-Assisted Diffusion Bonding Using Ni/Ti Multilayers. Journal of Materials Engineering and Performance, 2014, 23, 1625-1629. | 2.5 | 22 |
| 60 | In Situ Phase Evolution of Ni/Ti Reactive Multilayers. Journal of Materials Engineering and Performance, 2014, 23, 2446-2449. | 2.5 | 1 |
| 61 | In-situ thermal evolution of Ni/Ti multilayer thin films. Intermetallics, 2014, 51, 11-17. | 3.9 | 27 |
| 62 | Thermal stability of nanoscale metallic multilayers. Thin Solid Films, 2014, 571, 268-274. | 1.8 | 21 |
| 63 | Production of Sintered Î±-Alumina by Explosive Compaction from Low Temperature Calcinated Aluminum-Rich Sludge. Waste and Biomass Valorization, 2013, 4, 627-633. | 3.4 | 3 |
| 64 | Reaction zone formed during diffusion bonding of TiNi to Ti6Al4V using Ni/Ti nanolayers. Journal of Materials Science, 2013, 48, 7718-7727. | 3.7 | 37 |
| 65 | Morphological characterization by scanning electron microscopy of WC powder particles coated with Cu. Microscopy and Microanalysis, 2013, 19, 145-146. | 0.4 | 3 |
| 66 | Interface Exploring of Tungsten Carbide-Stainless Steel Composites through HRTEM. Microscopy and Microanalysis, 2012, 18, 109-110. | 0.4 | 5 |
| 67 | Comparison of deposited surface area of airborne ultrafine particles generated from two welding processes. Inhalation Toxicology, 2012, 24, 774-781. | 1.6 | 29 |
| 68 | Energetic materials for nanocrystalline stainless steel production. Journal of Alloys and Compounds, 2012, 536, S575-S581. | 5.5 | 6 |
| 69 | Determination of Airborne Nanoparticles from Welding Operations. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 747-755. | 2.3 | 47 |
| 70 | Versatility of the sputtering technique in the processing of WCâ€“Feâ€“Niâ€“Cr composites. Surface and Coatings Technology, 2012, 206, 4915-4921. | 4.8 | 10 |
| 71 | Intermetallic compound formation in Pd/Al multilayer thin films. Intermetallics, 2012, 25, 70-74. | 3.9 | 13 |
| 72 | Diffusion bonding of gamma-TiAl using modified Ti/Al nanolayers. Journal of Alloys and Compounds, 2012, 536, S424-S427. | 5.5 | 29 |

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| 73 | Microstructure of Reaction Zone Formed During Diffusion Bonding of TiAl with Ni/Al Multilayer. Journal of Materials Engineering and Performance, 2012, 21, 678-682. | 2.5 | 26 |
| 74 | An efficient strategy to detect latent fingermarks on metallic surfaces. Forensic Science International, 2012, 217, 196-203. | 2.2 | 14 |
| 75 | Anisothermal solid-state reactions of Ni/Al nanometric multilayers. Intermetallics, 2011, 19, 350-356. | 3.9 | 50 |
| 76 | Diffusion bonding of TiAl using reactive Ni/Al nanolayers and Ti and Ni foils. Materials Chemistry and Physics, 2011, 128, 202-207. | 4.0 | 58 |
| 77 | Effect of LBM and large-area EBM finishing on micro-injection moulding surfaces. International Journal of Advanced Manufacturing Technology, 2011, 52, 171-182. | 3.0 | 22 |
| 78 | TEM Characterization of As-Deposited and Annealed Ni/Al Multilayer Thin Film. Microscopy and Microanalysis, 2010, 16, 662-669. | 0.4 | 9 |
| 79 | Diffusion bonding of TiAl using Ni/Al multilayers. Journal of Materials Science, 2010, 45, 4351-4357. | 3.7 | 47 |
| 80 | Reaction-Assisted Diffusion Bonding of Advanced Materials. Defect and Diffusion Forum, 2010, 297-301, 972-977. | 0.4 | 17 |
| 81 | A corrosion study of nanocrystalline copper thin films. Corrosion Science, 2010, 52, 3891-3895. | 6.6 | 19 |
| 82 | In situTEM study of grain growth in nanocrystalline copper thin films. Nanotechnology, 2010, 21, 145701. | 2.6 | 115 |
| 83 | Fine tuning injection feedstock by nano coating SS powder. Metal Powder Report, 2009, 64, 18-21. | 0.1 | 19 |
| 84 | Advantages of depositing multilayer coatings for cutting wood-based products. Surface and Coatings Technology, 2009, 203, 3197-3205. | 4.8 | 11 |
| 85 | Carbide phases formed in WCâ€“M (M=Fe/Ni/Cr) systems. Ceramics International, 2009, 35, 369-372. | 4.8 | 42 |
| 86 | Composites from WC powders sputter-deposited with iron rich binders. Ceramics International, 2009, 35, 1617-1623. | 4.8 | 21 |
| 87 | Shock activation of Î±-alumina from calcinated Al-rich sludge. Ceramics International, 2009, 35, 1897-1904. | 4.8 | 5 |
| 88 | Composite copper/stainless steel coated powders. Journal of Alloys and Compounds, 2009, 483, 460-463. | 5.5 | 5 |
| 89 | Behavior of explosive compacted/consolidated of nanometric copper powders. Journal of Alloys and Compounds, 2009, 483, 235-238. | 5.5 | 24 |
| 90 | Production of intermetallic compounds from Ti/Al and Ni/Al multilayer thin filmsâ€”A comparative study. Journal of Alloys and Compounds, 2009, 484, 335-340. | 5.5 | 67 |

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|---|---|---|---|
| 91 | Annealing Ni nanocrystalline on WCâ€“Co. Journal of Alloys and Compounds, 2009, 482, 131-136. | 5.5 | 2 |
| 92 | Intermixing in Ni/Al multilayer thin films. Microscopy and Microanalysis, 2009, 15, 75-76. | 0.4 | 4 |
| 93 | Joining of TiAl alloys using Ni/Al multilayers. Microscopy and Microanalysis, 2009, 15, 73-74. | 0.4 | 0 |
| 94 | Mechanical Characterization of a Functionally Graded Nanocomposite Thin Film. Journal of Nanoscience and Nanotechnology, 2009, 9, 3792-3797. | 0.9 | 4 |
| 95 | The Effect of Nitrogen on the Formation of Nanocrystalline Copper Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 3921-3926. | 0.9 | 3 |
| 96 | Ti/Al Nanolayered Thin Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 3627-3632. | 0.9 | 3 |
| 97 | Structural phase evolution with temperature of non-conventional particles in PIM. Journal of Materials Processing Technology, 2008, 199, 425-430. | 6.3 | 1 |
| 98 | Surface modification of stainless steel powders for microfabrication. Journal of Materials Processing Technology, 2008, 201, 651-656. | 6.3 | 13 |
| 99 | Thin films with chemically graded functionality based on fluorine polymers and stainless steel. Acta Biomaterialia, 2008, 4, 1073-1080. | 8.3 | 23 |
| 100 | Coated WC powders by sputtered nanostructured Ni and stainless steel. Vacuum, 2008, 82, 1404-1406. | 3.5 | 9 |
| 101 | Microwaves show off their advantages in efficient sintering. Metal Powder Report, 2008, 63, 12-15. | 0.1 | 12 |
| 102 | Mechanical characterization of composites prepared from WC powders coated with Ni rich binders. International Journal of Refractory Metals and Hard Materials, 2008, 26, 491-498. | 3.8 | 34 |
| 103 | Intermetallic phase formation in nanometric Ni/Al multilayer thin films. Intermetallics, 2008, 16, 1061-1065. | 3.9 | 67 |
| 104 | TEM and SEM in-situ annealing of nanocrystalline copper thin films. Microscopy and Microanalysis, 2008, 14, 49-52. | 0.4 | 4 |
| 105 | In Vitro Behavior and Surface Morphology of Modified 316L Stainless Steel Stents. Microscopy and Microanalysis, 2008, 14, 35-36. | 0.4 | 2 |
| 106 | Microscopic Characterization of the Thermal Evolution of Stainless Steel Coatings Sputter-deposited onto WC Particles. Microscopy and Microanalysis, 2008, 14, 39-40. | 0.4 | 3 |
| 107 | Reinforcement Coating on Stainless Steel and Copper Powders. Microscopy and Microanalysis, 2008, 14, 43-46. | 0.4 | 1 |
| 108 | In vitrobehaviour of nanocrystalline silver-sputtered thin films. Nanotechnology, 2007, 18, 105103. | 2.6 | 22 |

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| 109 | Thermal Stability of Nanocrystalline Copper Thin Films. Microscopy and Microanalysis, 2007, 13, . | 0.4 | 1 |
| 110 | Nanostructured coated powders for structural net shape components. Journal of Alloys and Compounds, 2007, 434-435, 383-385. | 5.5 | 3 |
| 111 | In-Situ TEM Annealing of Nanocrystalline Copper Thin Films. Microscopy and Microanalysis, 2007, 13, . | 0.4 | 0 |
| 112 | Mullitization kinetics from silica- and alumina-rich wastes. Ceramics International, 2007, 33, 59-66. | 4.8 | 28 |
| 113 | Control of eta carbide formation in tungsten carbide powders sputter-coated with (Fe/Ni/Cr). International Journal of Refractory Metals and Hard Materials, 2007, 25, 310-317. | 3.8 | 48 |
| 114 | Preparation and physicochemical characterization of omeprazole:methyl-beta-cyclodextrin inclusion complex in solid state. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 173-177. | 1.6 | 38 |
| 115 | From Tiâ€“Al- to Tiâ€“Alâ€“N-sputtered 2D materials. Journal of Materials Science, 2007, 42, 9145-9153. | 3.7 | 4 |
| 116 | Solid-state diffusion bonding of gamma-TiAl alloys using Ti/Al thin films as interlayers. Intermetallics, 2006, 14, 1151-1156. | 3.9 | 67 |
| 117 | Nanometric multilayers: A new approach for joining TiAl. Intermetallics, 2006, 14, 1157-1162. | 3.9 | 57 |
| 118 | Hard Coatings Based on Metal Nitrides, Metal Carbides and Nanocomposite Materials: PVD Process and Properties. , 2006, , 537-572. | | 5 |
| 119 | PIM of non-conventional particles. Ceramics International, 2006, 32, 297-302. | 4.8 | 14 |
| 120 | Particle surface properties of stainless steel-coated tungsten carbide powders. Powder Technology, 2006, 164, 124-129. | 4.2 | 20 |
| 121 | The formation of Î³-TiAl from Ti/Al multilayers with different periods. Surface and Coatings Technology, 2006, 200, 6196-6200. | 4.8 | 38 |
| 122 | Structure, hardness and thermal stability of Ti(Al,N) coatings. Surface and Coatings Technology, 2006, 201, 4073-4077. | 4.8 | 13 |
| 123 | Kinetics of the thin films transformation Ti/Al multilayerâ†'Î³-TiAl. Surface and Coatings Technology, 2005, 200, 326-329. | 4.8 | 36 |
| 124 | The influence of erbium doping of Alâ€“N sputtered coatings on their optical properties. Thin Solid Films, 2004, 446, 264-270. | 1.8 | 15 |
| 125 | Sintering of tungsten carbide particles sputter-deposited with stainless steel. International Journal of Refractory Metals and Hard Materials, 2003, 21, 147-154. | 3.8 | 28 |
| 126 | Stainless steel coatings sputter-deposited on tungsten carbide powder particles. Surface and Coatings Technology, 2003, 176, 103-108. | 4.8 | 35 |

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| 127 | Influence of Ti addition on the properties of Wâ€“Tiâ€“C/N sputtered films. Surface and Coatings Technology, 2003, 174-175, 68-75. | 4.8 | 51 |
| 128 | Modification of the structural order of transition metalâ€“carbon systems by the addition of a Group VIII element. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 352, 195-201. | 5.6 | 25 |
| 129 | Ceramic products obtained from rock wastes. Journal of Materials Processing Technology, 2003, 143-144, 843-845. | 6.3 | 20 |
| 130 | Recovering inorganic wastes. Journal of Materials Processing Technology, 2003, 143-144, 454-457. | 6.3 | 6 |
| 131 | Effect of ductile layers in mechanical behaviour of TiAlN thin coatings. Journal of Materials Processing Technology, 2003, 143-144, 352-357. | 6.3 | 74 |
| 132 | Oxygen sensitivity of erbium-doped AlN films probed by site selective spectroscopy. Optical Materials, 2003, 24, 321-325. | 3.6 | 13 |
| 133 | Physicochemical characterization and in vitro dissolution behavior of nicardipineâ€“cyclodextrins inclusion compounds. European Journal of Pharmaceutical Sciences, 2002, 15, 79-88. | 4.0 | 202 |
| 134 | On the evaluation of the ductility of thin films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 337, 97-103. | 5.6 | 4 |
| 135 | Influence of Al(Er) interlayer on the mechanical properties of AlN(Er) coatings. Surface and Coatings Technology, 2002, 151-152, 466-470. | 4.8 | 15 |
| 136 | The effects of a third element on structure and properties of Wâ€“C/N. Surface and Coatings Technology, 2002, 151-152, 495-504. | 4.8 | 14 |
| 137 | Synthesis and characterisation of new sputtered metastable carbides. Vacuum, 2002, 64, 205-210. | 3.5 | 18 |
| 138 | Mechanical characterisation of Î³-TiAl thin films obtained by two different sputtering routes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 147-152. | 5.6 | 14 |
| 139 | The influence of nitrogen on the mechanical behaviour of multilayered coatings. Surface and Coatings Technology, 2000, 131, 417-421. | 4.8 | 6 |
| 140 | The influence of Er doping of Alâ€“N sputtered coatings on their mechanical properties. Surface and Coatings Technology, 2000, 132, 99-104. | 4.8 | 9 |
| 141 | An approach using thin films as a predictive way to produce new bulk materials. Surface and Coatings Technology, 2000, 131, 162-166. | 4.8 | 2 |
| 142 | Optimization of the sintering process of raw material wastes. Journal of Materials Processing Technology, 1999, 92-93, 97-101. | 6.3 | 25 |
| 143 | The influence of ductile interlayers on the mechanical performance of tungsten nitride coatings. Journal of Materials Processing Technology, 1999, 92-93, 156-161. | 6.3 | 26 |
| 144 | Title is missing!. Biotechnology Letters, 1999, 13, 595-599. | 0.5 | 10 |

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| 145 | Amorphous phase forming ability in(Wâ€“C)-based sputtered films. Acta Materialia, 1998, 46, 1731-1739. | 7.9 | 31 |
| 146 | The ultimate vacuum pressure and the characteristics of sputtered coatings. Thin Solid Films, 1996, 290-291, 238-242. | 1.8 | 8 |
| 147 | Tribological behaviour at elevated temperatures of thin physical vapour deposited coatings. Surface and Coatings Technology, 1996, 80, 171-175. | 4.8 | 10 |
| 148 | Influence of titanium on the structural stability of sputter-deposited W-Co-C films. Surface and Coatings Technology, 1995, 74-75, 802-805. | 4.8 | 6 |
| 149 | The role of interfacial films in the friction and wear properties of W-Co-C sputtered coatings. Thin Solid Films, 1995, 254, 131-138. | 1.8 | 10 |
| 150 | In situ high temperature crystallization study of sputter deposited amorphous Wî—¸Feî—¸C films. Acta Metallurgica Et Materialia, 1995, 43, 93-99. | 1.8 | 3 |
| 151 | Structural stability and crystallization studies of metastable sputtered Wî—¸Niî—¸C films. Thin Solid Films, 1994, 252, 82-88. | 1.8 | 20 |
| 152 | Characaterization of Wî—¸Meî—¸C (Meî—»Fe, Co) films and their structural behaviour with temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 174, 165-171. | 5.6 | 11 |
| 153 | Study of tungsten sputtered films with low nitrogen content. Vacuum, 1994, 45, 1051-1053. | 3.5 | 24 |
| 154 | Influence of the target/shield distance on the coatings deposition by rf magnetron sputtering. Vacuum, 1994, 45, 1099-1100. | 3.5 | 0 |
| 155 | EVALUATION OF HARDNESS OF SPUTTERED Wâ€“Câ€“Co THIN FILMS. Surface Engineering, 1994, 10, 147-151. | 2.2 | 19 |
| 156 | Structural analysis of sputtered (W-C)1â^'xMx (Mî—¼Fe, Co) films with 0â©½xâ©½0.20. Surface and Coatings Technology, 1993, 60, 411-415. | 4.8 | 8 |
| 157 | Production and characterization of Si-N films obtained by r.f. magnetron sputtering. Surface and Coatings Technology, 1993, 60, 463-467. | 4.8 | 14 |
| 158 | Failure modes observed on worn surfaces of W-C-Co sputtered coatings. Surface and Coatings Technology, 1993, 62, 536-542. | 4.8 | 14 |
| 159 | Characterization of a sputtered amorphous Wî—¸Cî—¸Co coating annealed in air. Thin Solid Films, 1993, 228, 80-86. | 1.8 | 6 |
| 160 | Structural behaviour of sputtered W-C-Co coatings at increasing temperatures. Journal of Materials Science, 1993, 28, 6096-6102. | 3.7 | 4 |
| 161 | Adhesion improvement of RF-sputtered alumina coatings as determined by the scratch test. Journal of Adhesion Science and Technology, 1993, 7, 801-811. | 2.6 | 9 |
| 162 | R.F. SPUTTERED AMORPHOUS ALUMINA COATINGS ON HIGH SPEED STEEL. Materials and Manufacturing Processes, 1992, 7, 251-269. | 4.7 | 2 |

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| 163 | Influence of deposition conditions on the morphology of sputtered W-C-(Co) films. Thin Solid Films, 1992, 213, 6-12. | 1.8 | 20 |
| 164 | Tribological behaviour of W-C-Co coatings. Journal of Materials Processing Technology, 1992, 31, 225-234. | 6.3 | 6 |
| 165 | Structure and chemical composition of W-C-(Co) sputtered films. Thin Solid Films, 1991, 197, 237-255. | 1.8 | 38 |
| 166 | Structural characterization of co-sputtered Wî—¸Cî—¸Fe films. Thin Solid Films, 1991, 206, 318-322. | 1.8 | 9 |
| 167 | Influence of deposition conditions on the adhesion of sputter-deposited Wî—¸Cî—¸(Co) films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 140, 631-638. | 5.6 | 9 |
| 168 | Morphology and thickness distribution of sputtered W-C-Co films deposited on differently shaped substrates. Surface and Coatings Technology, 1991, 49, 311-315. | 4.8 | 1 |
| 169 | The structure of thin films deposited from a sintered tungsten carbide with a high cobalt content (15) Tj ETQq1 1 0.784314 rgBT /Ove | 1.8 | 29 |
| 170 | Chemical and optical characterization of Niî—¸P spectrally selective surfaces coated by fluorocarbon films. Solar Energy Materials and Solar Cells, 1990, 20, 245-256. | 0.4 | 5 |
| 171 | Joining of Superalloys to Intermetallics Using Nanolayers. Advanced Materials Research, 0, 59, 225-229. | 0.3 | 39 |
| 172 | The Role of Composite Anisotropy in Aircraft-System Wing Movement Produced by Actuators. , 0, , . | | 0 |