

L Vilhena

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Sliding wear and friction behaviour of WC-stainless steel and WC-Co composites. Lubrication Science, 2022, 34, 247-257. | 2.1 | 6 |
| 2 | Rapid and Easy Assessment of Friction and Load-Bearing Capacity in Thin Coatings. Electronics (Switzerland), 2022, 11, 296. | 3.1 | 4 |
| 3 | Influence of Deposition Plane Angle and Saline Corrosion on Fatigue Crack Growth in Maraging Steel Components Produced by Laser Powder Bed Fusion. Metals, 2022, 12, 433. | 2.3 | 3 |
| 4 | Influence of Different Binders and Severe Environmental Conditions on the Tribological and Electrochemical Behaviour of WC-Based Composites. Lubricants, 2022, 10, 145. | 2.9 | 3 |
| 5 | Study of the frictional behavior of soft contact lenses by an innovative method. Tribology International, 2021, 153, 106633. | 5.9 | 8 |
| 6 | Mechanical and Tribological Characterization of a Bioactive Composite Resin. Applied Sciences (Switzerland), 2021, 11, 8256. | 2.5 | 5 |
| 7 | Tribocorrosion Behaviour of Ti6Al4V Produced by Selective Laser Melting for Dental Implants. Lubricants, 2020, 8, 22. | 2.9 | 7 |
| 8 | Study of Laser Metal Deposition (LMD) as a Manufacturing Technique in Automotive Industry. Lecture Notes in Mechanical Engineering, 2020, , 225-239. | 0.4 | 3 |
| 9 | Desgaste de implantes com diferentes conexões e materiais de pilares: estudo in vitro. Revista Portuguesa De Estomatologia, Medicina Dentaria E Cirurgia Maxilofacial, 2020, 61, . | 0.0 | 0 |
| 10 | Effect of artificial saliva on the fatigue and wear response of TiAl6V4 specimens produced by SLM. Procedia Structural Integrity, 2020, 28, 790-795. | 0.8 | 2 |
| 11 | Tribocorrosion of different biomaterials under reciprocating sliding conditions in artificial saliva. Lubrication Science, 2019, 31, 364-380. | 2.1 | 12 |
| 12 | Friction Behavior of Human Skin Rubbing against Different Textured Polymeric Materials Obtained by a 3D Printing Microfabrication Technique. Tribology Transactions, 2019, 62, 324-336. | 2.0 | 9 |
| 13 | Answer to the discussion of the paper entitled surface texturing by pulsed Nd:YAG laser (L.M. Vilhena,) Tj ETQq1 1 0.784314 rgBT /Ov | 5.9 | 1 |
| 14 | CFD Modeling of the Effect of Different Surface Texturing Geometries on the Frictional Behavior. Lubricants, 2018, 6, 15. | 2.9 | 11 |
| 15 | Galling characterization for the pair composed by aluminium and M2 steel under dry and lubricated conditions by using load-scanning test method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1. | 1.6 | 2 |
| 16 | Grooved surface texturing by electrical discharge machining (EDM) under different lubrication regimes. Lubrication Science, 2017, 29, 493-501. | 2.1 | 19 |
| 17 | Friction of Human Skin against Different Fabrics for Medical Use. Lubricants, 2016, 4, 6. | 2.9 | 42 |
| 18 | Abrasive wear resistance of WC-Co and WC-AISI 304 composites by ball-cratering method. Wear, 2016, 346-347, 99-107. | 3.1 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Mechanical characterization of WC-10 wt% AISI 304 cemented carbides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 629-636. | 5.6 | 52 |
| 20 | Effectiveness and design of surface texturing for different lubrication regimes. Meccanica, 2012, 47, 1613-1622. | 2.0 | 106 |
| 21 | Influence of texturing parameters and contact conditions on tribological behaviour of laser textured surfaces. Meccanica, 2011, 46, 567-575. | 2.0 | 74 |
| 22 | Surface Topography Modelling for Reduced Friction. Strojnicki Vestnik/Journal of Mechanical Engineering, 2011, 57, 674-680. | 1.1 | 63 |
| 23 | Action of oil additives when used in DLC coated contacts. Tribology - Materials, Surfaces and Interfaces, 2010, 4, 186-190. | 1.4 | 5 |
| 24 | Characterization and Design of Laser Textured Surfaces. , 2009, , . | | 0 |
| 25 | Tribological behaviour of W-Ti-N coatings in semi-industrial strip-drawing tests. Journal of Materials Processing Technology, 2009, 209, 4662-4667. | 6.3 | 19 |
| 26 | Surface texturing by pulsed Nd:YAG laser. Tribology International, 2009, 42, 1496-1504. | 5.9 | 205 |