

# Edith Ariza

## List of Publications by Year in descending order

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19  
papers

699  
citations

623734

14  
h-index

839539

18  
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19  
all docs

19  
docs citations

19  
times ranked

791  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Simultaneous degradation by corrosion and wear of titanium in artificial saliva containing fluorides. <i>Wear</i> , 2012, 292-293, 82-88.   | 3.1 | 103       |
| 2  | TiCxOy thin films for decorative applications: Tribocorrosion mechanisms and synergism. <i>Tribology International</i> , 2008, 41, 603-615.   | 5.9 | 85        |
| 3  | Corrosion and tribocorrosion behaviour of Al-Si-Cu-Mg alloy and its composites reinforced with B4C particles in 0.05M NaCl solution. <i>Wear</i> , 2013, 306, 27-35.  | 3.1 | 80        |
| 4  | Tribocorrosion behaviour of plasma nitrided and plasma nitrided+oxidised Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , 2006, 200, 6218-6224.  | 4.8 | 68        |
| 5  | Tribocorrosion behaviour of TiC O thin films in bio-fluids. <i>Electrochimica Acta</i> , 2010, 56, 929-937.   | 5.2 | 55        |
| 6  | Corrosion resistance of ZrNxOy thin films obtained by rf reactive magnetron sputtering. <i>Thin Solid Films</i> , 2004, 469-470, 274-281.   | 1.8 | 52        |
| 7  | Corrosion behaviour of Al/Al3Ti and Al/Al3Zr functionally graded materials produced by centrifugal solid-particle method: Influence of the intermetallics volume fraction. <i>Corrosion Science</i> , 2011, 53, 2058-2065.                | 6.6 | 48        |
| 8  | A comparative investigation of the corrosion and tribocorrosion behaviour of nitrocarburized, gas nitrided, fluidized-bed nitrided, and plasma nitrided plastic mould steel. <i>Surface and Coatings Technology</i> , 2018, 334, 116-123. | 4.8 | 41        |
| 9  | Structural and corrosion behaviour of stoichiometric and substoichiometric TiN thin films. <i>Surface and Coatings Technology</i> , 2004, 180-181, 158-163.   | 4.8 | 38        |
| 10 | Tribocorrosion behaviour of ZrOxNy thin films for decorative applications. <i>Surface and Coatings Technology</i> , 2006, 200, 6634-6639.   | 4.8 | 32        |
| 11 | Microstructural characterization and tribocorrosion behaviour of Al/Al3Ti and Al/Al3Zr FGMs. <i>Wear</i> , 2011, 270, 806-814.  | 3.1 | 23        |
| 12 | Influence of the processing route of porcelain/Ti-6Al-4V interfaces on shear bond strength. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 20, 327-337.  | 3.1 | 19        |
| 13 | Micro-abrasion resistance of thermochemically treated steels in aqueous solutions: Mechanisms, maps, materials selection. <i>Tribology International</i> , 2008, 41, 141-149.   | 5.9 | 16        |
| 14 | Mechanical and chemical analyses across dental porcelain fused to CP titanium or Ti6Al4V. <i>Materials Science and Engineering C</i> , 2014, 37, 76-83.   | 7.3 | 16        |
| 15 | Corrosion and Tribocorrosion Behavior of Ti-B4C Composites Joined with TiCuNi Brazing Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 4972-4982.   | 2.5 | 10        |
| 16 | Effect of commercial mouthwashes on the corrosion and tribocorrosion behaviour of a Co-Cr dental casting alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 305-311.  | 1.5 | 6         |
| 17 | Electron backscatter diffraction analysis of ZnO:Al thin films. <i>Applied Surface Science</i> , 2012, 259, 590-595.  | 6.1 | 4         |
| 18 | The effect of thermal cycling on the shear bond strength of porcelain/Ti-6Al-4V interfaces. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 44, 156-163.  | 3.1 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Influence of Substrate Temperature and Post-Annealing Treatment on the Microstructure and Electric Properties of ZnO:Al Thin Films Deposited by Sputtering. Materials Science Forum, 0, 730-732, 215-220. | 0.3 | 0         |