

Hm Hdz-Garcia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9347029/publications.pdf>

Version: 2024-02-01

37
papers

446
citations

759233

12
h-index

752698

20
g-index

37
all docs

37
docs citations

37
times ranked

677
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Tribological performance of Ti nanolayer coating post plasma nitriding treatment on Co based alloy. Wear, 2021, 477, 203798. | 3.1 | 5 |
| 2 | Wear resistance of graphenic-nickel composite coating on austenitic stainless steel. Materials Letters, 2020, 281, 128769. | 2.6 | 20 |
| 3 | Metallurgical Interaction among BNi-9 and Waspaloy, FSX-414 or 304-Type Stainless Steel under TLP Cycle. Metals, 2020, 10, 306. | 2.3 | 1 |
| 4 | Improved Mechanical Properties, Wear and Corrosion Resistance of 316L Steel by Homogeneous Chromium Nitride Layer Synthesis Using Plasma Nitriding. Journal of Materials Engineering and Performance, 2020, 29, 877-889. | 2.5 | 23 |
| 5 | Duplex plasma treatment of AISI D2 tool steel by combining plasma nitriding (with and without white) Tj ETQq1 1 0.784314 rgBT /Overl | 4.8 | 23 |
| 6 | EFFECT OF MgAlâ,,Oâ,, ON THE GROWTH OF Î² -Siâ,,fAlâ,,fOâ,,fNâ,,... PREPARED BY CARBOTHERMAL REDUCTION BY NITRIDING. Ceramics - Silikaty, 2020, , 271-277. | 0.3 | 1 |
| 7 | Sputtered transparent conducting graphene films on iron oxide coated glass. Journal of Materials Science: Materials in Electronics, 2019, 30, 4310-4317. | 2.2 | 1 |
| 8 | Effect of graphene oxide on wear resistance of polyester resin electrostatically deposited on steel sheets. Wear, 2019, 426-427, 296-301. | 3.1 | 8 |
| 9 | Wear resistance of TiN or AlTiN nanostructured Ni-based hardfacing by PTA under pin on disc test. Wear, 2019, 426-427, 1584-1593. | 3.1 | 12 |
| 10 | DFT study of small gas molecules adsorbed on undoped and N-, Si-, B-, and Al-doped graphene quantum dots. Theoretical Chemistry Accounts, 2019, 138, 1. | 1.4 | 38 |
| 11 | Growth of a graphenic-Co composite coating on type-304 stainless steel. Vacuum, 2019, 163, 324-327. | 3.5 | 4 |
| 12 | Icosahedral transition metal clusters (M13, M = Fe, Ni, and Cu) adsorbed on graphene quantum dots, a DFT study. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 110, 52-58. | 2.7 | 25 |
| 13 | Effect of the surface texturing treatment with Nd:YAG laser on the wear resistance of CoCr alloy. MRS Advances, 2019, 4, 3031-3039. | 0.9 | 4 |
| 14 | Effect of depth on the weldability of ferritic steels in simulated environments joined by wet welding. Welding International, 2018, 32, 561-569. | 0.7 | 1 |
| 15 | A Hybrid Plasma Treatment of H13 Tool Steel by Combining Plasma Nitriding and Post-Oxidation. Journal of Materials Engineering and Performance, 2018, 27, 6118-6126. | 2.5 | 12 |
| 16 | Concrete/maghemite nanocomposites as novel adsorbents for arsenic removal. Journal of Molecular Structure, 2018, 1171, 9-16. | 3.6 | 43 |
| 17 | A Revamped Classification of Composite Materials. , 2018, , . | | 0 |
| 18 | Characterisation of PTA processed overlays without and with WC nanoparticles. Surface Engineering, 2017, 33, 857-865. | 2.2 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Tribological study of a thin TiO ₂ nanolayer coating on 316L steel. Wear, 2017, 376-377, 1702-1706. | 3.1 | 7 |
| 20 | Cobalt-based PTA coatings, effects of addition of TiC nanoparticles. Vacuum, 2017, 143, 14-22. | 3.5 | 17 |
| 21 | Effects of hematite and ferrihydrite nanoparticles on germination and growth of maize seedlings. Saudi Journal of Biological Sciences, 2017, 24, 1547-1554. | 3.8 | 81 |
| 22 | Effects of tic Nanostructured Overlays on D2 Steels by PTA. MRS Advances, 2017, 2, 4041-4047. | 0.9 | 1 |
| 23 | Aging Thermal Treatment in the Inconel 725 Brazed Incorporating Tungsten Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-7. | 2.7 | 3 |
| 24 | Efecto de la Profundidad sobre la Soldabilidad de Aceros Ferríticos en Ambientes Simulados Unidos por Soldadura H ^o meda. Soldagem E Inspecao, 2016, 21, 126-136. | 0.6 | 0 |
| 25 | 304 stainless steel brazing incorporating tungsten nanoparticles. Journal of Materials Processing Technology, 2015, 215, 1-5. | 6.3 | 15 |
| 26 | Magnesium Removal from an Aluminum A-332 Molten Alloy Using Enriched Zeolite with Nanoparticles of SiO ₂ . Advances in Materials Science and Engineering, 2014, 2014, 1-7. | 1.8 | 0 |
| 27 | Microstructural effects on the wear behavior of a biomedical as-cast Co-27Cr-5Mo-0.25C alloy exposed to pulsed laser melting. Journal of Biomedical Materials Research - Part A, 2014, 102, 2008-2016. | 4.0 | 6 |
| 28 | Effects of Silicon Nanoparticles on the Transient Liquid Phase Bonding of 304 Stainless Steel. Journal of Materials Science and Technology, 2014, 30, 259-262. | 10.7 | 20 |
| 29 | Characterization on Fracture Surfaces of 304 Stainless Steels Joined by Brazing Using Silicon Nanoparticles. Materials Research Society Symposia Proceedings, 2012, 1481, 119-126. | 0.1 | 0 |
| 30 | Characterization of Metallurgical Defects in the Melt Zone of 304L Steel Tubes Manufactured by GTAW Process. Materials Research Society Symposia Proceedings, 2012, 1372, 41. | 0.1 | 0 |
| 31 | Effects of Si and Ni nanoparticles in Brazing process on fracture surfaces of 304 stainless steels. Materials Research Society Symposia Proceedings, 2012, 1381, 1. | 0.1 | 0 |
| 32 | Study of the properties of undoped and fluorine doped zinc oxide nanoparticles. Materials Letters, 2010, 64, 1493-1495. | 2.6 | 43 |
| 33 | Magnesium Removal from Molten Al-Si Alloys Using Zeolite. Canadian Metallurgical Quarterly, 2010, 49, 163-170. | 1.2 | 4 |
| 34 | Estudio del mecanismo de eliminaci3n demagnesio de aleaciones Al-Si en estado lquido mediante inyecci3n de minerales base slica. Revista De Metalurgia, 2010, 46, 351-359. | 0.5 | 0 |
| 35 | Fe₂O₃ Thin Films Prepared by Ultrasonic Spray Pyrolysis. Materials Science Forum, 0, 644, 105-108. | 0.3 | 8 |
| 36 | Analysis of Weld Bead Parameters of Overlay Deposited on D2 Steel Components by Plasma Transferred Arc (PTA) Process. Materials Science Forum, 0, 755, 39-45. | 0.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Elimination of Al₄C₃ Phase in Al/SiC_P Composites by HYSYCVD. Materials Science Forum, 0, 755, 9-14. | 0.3 | 2 |