

# Hm Hdz-Garcia

## List of Publications by Year in descending order

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37  
papers

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758635

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752256

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#	ARTICLE	IF	CITATIONS
1	Tribological performance of Ti nanolayer coating post plasma nitriding treatment on Co based alloy. <i>Wear</i> , 2021, 477, 203798.	1.5	5
2	Wear resistance of graphenic-nickel composite coating on austenitic stainless steel. <i>Materials Letters</i> , 2020, 281, 128769.	1.3	20
3	Metallurgical Interaction among BNi-9 and Waspaloy, FSX-414 or 304-Type Stainless Steel under TLP Cycle. <i>Metals</i> , 2020, 10, 306.	1.0	1
4	Improved Mechanical Properties, Wear and Corrosion Resistance of 316L Steel by Homogeneous Chromium Nitride Layer Synthesis Using Plasma Nitriding. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 877-889.	1.2	23
5	Duplex plasma treatment of AISI D2 tool steel by combining plasma nitriding (with and without white) Tj ETQq1 1 0,784314 rgBT /Ovrd	2.2	23
6	EFFECT OF MgAlâ,,Oâ,, ON THE GROWTH OF Î² -Siâ,,fAlâ,,fOâ,,fNâ,,... PREPARED BY CARBOTHERMAL REDUCTION BY NITRIDING. <i>Ceramics - Silikaty</i> , 2020, , 271-277.	0.2	1
7	Sputtered transparent conducting graphene films on iron oxide coated glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4310-4317.	1.1	1
8	Effect of graphene oxide on wear resistance of polyester resin electrostatically deposited on steel sheets. <i>Wear</i> , 2019, 426-427, 296-301.	1.5	8
9	Wear resistance of TiN or AlTiN nanostructured Ni-based hardfacing by PTA under pin on disc test. <i>Wear</i> , 2019, 426-427, 1584-1593.	1.5	12
10	DFT study of small gas molecules adsorbed on undoped and N-, Si-, B-, and Al-doped graphene quantum dots. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	0.5	38
11	Growth of a graphenic-Co composite coating on type-304 stainless steel. <i>Vacuum</i> , 2019, 163, 324-327.	1.6	4
12	Icosahedral transition metal clusters (M13, M = Fe, Ni, and Cu) adsorbed on graphene quantum dots, a DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 110, 52-58.	1.3	25
13	Effect of the surface texturing treatment with Nd:YAG laser on the wear resistance of CoCr alloy. <i>MRS Advances</i> , 2019, 4, 3031-3039.	0.5	4
14	Effect of depth on the weldability of ferritic steels in simulated environments joined by wet welding. <i>Welding International</i> , 2018, 32, 561-569.	0.3	1
15	A Hybrid Plasma Treatment of H13 Tool Steel by Combining Plasma Nitriding and Post-Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6118-6126.	1.2	12
16	Concrete/maghemite nanocomposites as novel adsorbents for arsenic removal. <i>Journal of Molecular Structure</i> , 2018, 1171, 9-16.	1.8	43
17	A Revamped Classification of Composite Materials. , 2018, , .		0
18	Characterisation of PTA processed overlays without and with WC nanoparticles. <i>Surface Engineering</i> , 2017, 33, 857-865.	1.1	11

#	ARTICLE	IF	CITATIONS
19	Tribological study of a thin TiO <sub>2</sub> nanolayer coating on 316L steel. <i>Wear</i> , 2017, 376-377, 1702-1706.	1.5	7
20	Cobalt-based PTA coatings, effects of addition of TiC nanoparticles. <i>Vacuum</i> , 2017, 143, 14-22.	1.6	17
21	Effects of hematite and ferrihydrite nanoparticles on germination and growth of maize seedlings. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1547-1554.	1.8	81
22	Effects of tic Nanostructured Overlays on D2 Steels by PTA. <i>MRS Advances</i> , 2017, 2, 4041-4047.	0.5	1
23	Ageing Thermal Treatment in the Inconel 725 Brazed Incorporating Tungsten Nanoparticles. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	3
24	Efecto de la Profundidad sobre la Soldabilidad de Aceros Ferríticos en Ambientes Simulados Unidos por Soldadura H <sup>o</sup> meda. <i>Soldagem E Inspecao</i> , 2016, 21, 126-136.	0.6	0
25	304 stainless steel brazing incorporating tungsten nanoparticles. <i>Journal of Materials Processing Technology</i> , 2015, 215, 1-5.	3.1	15
26	Magnesium Removal from an Aluminum A-332 Molten Alloy Using Enriched Zeolite with Nanoparticles of SiO <sub>2</sub> . <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-7.	1.0	0
27	Microstructural effects on the wear behavior of a biomedical as-cast Co-27Cr-5Mo-0.25C alloy exposed to pulsed laser melting. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2008-2016.	2.1	6
28	Effects of Silicon Nanoparticles on the Transient Liquid Phase Bonding of 304 Stainless Steel. <i>Journal of Materials Science and Technology</i> , 2014, 30, 259-262.	5.6	20
29	Characterization on Fracture Surfaces of 304 Stainless Steels Joined by Brazing Using Silicon Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1481, 119-126.	0.1	0
30	Characterization of Metallurgical Defects in the Melt Zone of 304L Steel Tubes Manufactured by GTAW Process. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1372, 41.	0.1	0
31	Effects of Si and Ni nanoparticles in Brazing process on fracture surfaces of 304 stainless steels. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1381, 1.	0.1	0
32	Study of the properties of undoped and fluorine doped zinc oxide nanoparticles. <i>Materials Letters</i> , 2010, 64, 1493-1495.	1.3	43
33	Magnesium Removal from Molten Al-Si Alloys Using Zeolite. <i>Canadian Metallurgical Quarterly</i> , 2010, 49, 163-170.	0.4	4
34	Estudio del mecanismo de eliminaci3n demagnesio de aleaciones Al-Si en estado l3quido mediante inyecci3n de minerales base s3lice. <i>Revista De Metalurgia</i> , 2010, 46, 351-359.	0.1	0
35	Fe<sub>2</sub>O<sub>3</sub> Thin Films Prepared by Ultrasonic Spray Pyrolysis. <i>Materials Science Forum</i> , 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. <i>Materials Science Forum</i> , 0, 755, 39-45.	0.3	7

#	ARTICLE	IF	CITATIONS
37	Elimination of Al <sub>4</sub> C <sub>3</sub> Phase in Al/SiC/P Composites by HSYCVD. Materials Science Forum, 0, 755, 9-14.	0.3	2