

Omar Jimenez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of the Ag addition on the compressibility, sintering and properties of Ti6Al4V/xAg composites processed by powder metallurgy. Journal of Alloys and Compounds, 2022, 890, 161813.	2.8	10
2	Corrosion and tribocorrosion behavior of Ti6Al4V/xTiN composites for biomedical applications. Transactions of Nonferrous Metals Society of China, 2022, 32, 540-558.	1.7	3
3	Study of the methane flow influence in the micro-tribology behavior of DLC coatings deposited by PECVD: a Raman analysis. Carbon Letters, 2021, 31, 47-56.	3.3	9
4	Investigation of graphite/CNTs on the equiatomic AlCoNi alloy: Hardness and surface morphology of the oxide scale. Materials Letters, 2021, 285, 129042.	1.3	0
5	Microstructure and corrosion characterization of a Ti-30Zr alloy with Ta additions processed by arc-melting for biomedical applications. Materials Letters, 2021, 284, 129041.	1.3	6
6	Nanoindentation and tribological properties of Ni51Ti49xTax (x<5&at. %) alloys fabricated by arc melting. Materials Letters, 2021, 284, 129010.	1.3	3
7	Tribocorrosion and corrosion behavior of quaternary Ti-24Nb-xZr-ySn alloys in SBF. Materials Letters, 2021, 283, 128903.	1.3	10
8	X-ray Computed Microtomography Characterization of Ti6Al4V/CoCrMo Biomedical Composite Fabricated by Semi-solid Sintering. Journal of Nondestructive Evaluation, 2021, 40, 1.	1.1	2
9	Design and characterization of Ti6Al4V/20CoCrMo~highly porous Ti6Al4V biomedical bilayer processed by powder metallurgy. Transactions of Nonferrous Metals Society of China, 2021, 31, 178-192.	1.7	14
10	Microstructural and high-temperature cyclic oxidation response of NiCoCrAlY coatings with and without SiC + ZrB2 reactive-element dispenser. Corrosion Science, 2021, 189, 109617.	3.0	0
11	Effect of CoCrMo Addition on Ti6Al4V/xCoCrMo Biomedical Composites Processed by Powder Metallurgy. Metals, 2021, 11, 1523.	1.0	2
12	Design of architected Ti6Al4V-based materials for biomedical applications fabricated via powder metallurgy. Materials Today Communications, 2021, 29, 102937.	0.9	5
13	Characterization of Ti6Al4V~Ti6Al4V/30Ta Bilayer Components Processed by Powder Metallurgy for Biomedical Applications. Metals and Materials International, 2020, 26, 205-220.	1.8	13
14	Ti-TiH2 matrix composites reinforced with TiN by high vacuum sintering (HVS) for biomedical applications. Materials Letters, 2020, 277, 128382.	1.3	6
15	Tribocorrosion behavior of Ti64-xTa alloys fabricated through powder metallurgy. Materials Letters, 2020, 280, 128590.	1.3	6
16	Graphitization processes in wear tracks of Bi-layer carbon coating deposited by PVD-HiPIMS technique. Materials Today Communications, 2020, 25, 101597.	0.9	4
17	Effect of a-CNx top layer on the electrochemical properties of Ta2N/Ta multilayers obtained by HIPIMS. Materials Letters, 2020, 278, 128454.	1.3	4
18	Fabrication and characterization of highly porous Ti6Al4V/xTa composites for orthopedic applications. Journal of Materials Science, 2020, 55, 16419-16431.	1.7	7

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19	Investigation of a Ti-30Zr binary alloy fabricated through spark plasma sintering. Journal of Materials Research and Technology, 2020, 9, 9328-9340.	2.6	7
20	Tribocorrosion behavior of Spark Plasma Sintering TiC reinforced Ti-based composites. Materials Letters, 2020, 277, 128298.	1.3	3
21	Synthesis and characterisation of Ti6Al4V/xTa alloy processed by solid state sintering. Powder Metallurgy, 2020, 63, 64-74.	0.9	8
22	Micro and Macro-Tribology Behavior of a Hierarchical Architecture of a Multilayer TaN/Ta Hard Coating. Coatings, 2020, 10, 263.	1.2	10
23	Wear modes in open porosity titanium matrix composites with TiC addition processed by spark plasma sintering. Transactions of Nonferrous Metals Society of China, 2019, 29, 1653-1664.	1.7	22
24	Erosion problem in tool steel using cold box core-making process. China Foundry, 2019, 16, 204-210.	0.5	2
25	Effect of SiC microfibers as a self-healing agent and their influence on oxidation and adhesion resistance of thermal barrier coatings exposed to cyclic thermal oxidation treatments. Surface and Coatings Technology, 2019, 372, 376-389.	2.2	6
26	Semi-solid Sintering of Ti6Al4V/CoCrMo Composites for Biomedical Applications. Materials Research, 2019, 22, .	0.6	7
27	Analysis of Compression and Permeability Behavior of Porous Ti6Al4V by Computed Microtomography. Metals and Materials International, 2019, 25, 669-682.	1.8	15
28	Processing and properties of highly porous Ti6Al4V mimicking human bones. Journal of Materials Research, 2018, 33, 650-661.	1.2	18
29	Polarized-light and electron microscopy study of the static domain structure of ferroic Fe ₃ B ₇ O ₁₃ I boracite at room temperature. Ferroelectrics, 2018, 534, 73-80.	0.3	2
30	Sintering study of Ti6Al4V powders with different particle sizes and their mechanical properties. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 1389-1401.	2.4	32
31	Sintering behaviour and mechanical characterisation of Ti6Al4V/TiN composites and bilayer components. Powder Metallurgy, 2017, 60, 257-266.	0.9	21
32	Investigation of the effect of inert inclusions on densification during solid-state sintering of metal matrix composites. Science and Engineering of Composite Materials, 2017, 24, 755-763.	0.6	4
33	Heat treated twin wire arc spray AISI 420 coatings under dry and wet abrasive wear. Metals and Materials International, 2017, 23, 1121-1132.	1.8	5
34	Study of the erosive wear behaviour of cryogenically and tempered WC-CoCr coating deposited by HVOF. Wear, 2017, 376-377, 595-607.	1.5	21
35	Processing and properties of Titanium alloy based materials with tailored porosity and composition. EPJ Web of Conferences, 2017, 140, 13007.	0.1	1
36	Constrained sintering and wear properties of Cu-WC composite coatings. Transactions of Nonferrous Metals Society of China, 2017, 27, 2214-2224.	1.7	21

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37	Analyzing the compressive behavior of porous Ti6Al4V by X-ray microtomography. <i>Materials Research</i> , 2017, 20, 1511-1517.	0.6	3
38	Mechanical properties and tribological behavior at micro and macro-scale of WC/WCN/W hierarchical multilayer coatings. <i>Tribology International</i> , 2016, 101, 194-203.	3.0	24
39	Sintering kinetics of Ni ₂ FeSb powder alloys produced by mechanical milling. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 2126-2135.	1.7	2
40	Effect of laser shock processing on erosive resistance of 6061-T6 aluminum. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1522-1530.	1.7	3
41	Polarised-Light and Electron Microscopy of the Static Domain Structure of Ferroic Mn ₃ B ₇ O ₁₃ Br Boracite at Room Temperature. <i>Ferroelectrics</i> , 2015, 482, 46-53.	0.3	1
42	The effect of C content on the mechanical properties of Ti-Zr coatings. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 49, 269-276.	1.5	7
43	Small grain size zirconium-based coatings deposited by magnetron sputtering at low temperatures. <i>Thin Solid Films</i> , 2015, 591, 149-155.	0.8	6
44	Caracterización de la aleación Ni _{53.5} -Fe _{19.5} -Ga ₂₇ con memoria de forma ferromagnética producida por metalurgia de polvos. <i>Revista De Metalurgia</i> , 2015, 51, e040.	0.1	0
45	Ion Beam Analysis, structure and corrosion studies of nc-TiN/a-Si ₃ N ₄ nanocomposite coatings deposited by sputtering on AISI 316L. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 331, 130-133.	0.6	1
46	The morphology and structure of PVD Zr-Cu thin films. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085308.	1.3	15
47	Structure and mechanical properties of nitrogen-containing Zr-Cu based thin films deposited by pulsed magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 155301.	1.3	13
48	Electrochemical behavior and microstructural characterization of 1026 Ni-B coated steel. <i>Applied Surface Science</i> , 2006, 253, 592-599.	3.1	58
49	Characterization of Constrained Sintering of Powders on Solid Substrate. <i>Materials Science Forum</i> , 0, 793, 135-141.	0.3	1
50	Analysis of in situ gas nitriding by dilatometry of porous Ti6Al4V materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, 1.	2.0	0