

MarÃ-a Cristina MorÃ© Farias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/435842/publications.pdf>

Version: 2024-02-01

26
papers

368
citations

840776

11
h-index

794594

19
g-index

26
all docs

26
docs citations

26
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of applied load, sliding velocity and martensitic transformation on the unlubricated sliding wear of austenitic stainless steels. <i>Wear</i> , 2007, 263, 773-781.	3.1	89
2	Microstructure and mechanical behavior of 316L liquid phase sintered stainless steel with boron addition. <i>Materials Characterization</i> , 2019, 152, 253-264.	4.4	32
3	Sliding wear and friction behavior of CrN-coating in ethanol and oil-ethanol mixture. <i>Wear</i> , 2013, 301, 786-794.	3.1	31
4	Friction behavior of lubricated zinc phosphate coatings. <i>Wear</i> , 2009, 266, 873-877.	3.1	29
5	Reciprocating sliding wear of the sintered 316L stainless steel with boron additions. <i>Wear</i> , 2019, 422-423, 108-118.	3.1	29
6	High-temperature oxidation of sintered austenitic stainless steel containing boron or yttria. <i>Corrosion Science</i> , 2017, 129, 26-37.	6.6	27
7	Tribofilm formation during dry sliding of graphite- and MoS ₂ - based composites obtained by spark plasma sintering. <i>Tribology International</i> , 2021, 160, 107035.	5.9	20
8	Microstructure and micro-abrasive wear of sintered yttria-containing 316L stainless steel treated by plasma nitriding. <i>Surface and Coatings Technology</i> , 2019, 374, 700-712.	4.8	19
9	Using the ratio: maximum load over unload stiffness squared, P_m/S_u^2 , on the evaluation of machine stiffness and area function of blunt indenters on depth-sensing indentation equipment. <i>Materials Research</i> , 2007, 10, 437-447.	1.3	19
10	Finite element and dimensional analysis algorithm for the prediction of mechanical properties of bulk materials and thin films. <i>Surface and Coatings Technology</i> , 2010, 205, 1386-1392.	4.8	16
11	Analysis of the tip roundness effects on the micro- and macroindentation response of elastic-plastic materials. <i>Journal of Materials Research</i> , 2009, 24, 1037-1044.	2.6	11
12	The Effect of Counterpart Material on the Sliding Wear of TiAlN Coatings Deposited by Reactive Cathodic Pulverization. <i>Scientia Cum Industria</i> , 2015, 3, 59-66.	0.1	8
13	Physicochemical, structural, mechanical, and tribological characteristics of Si ₃ N ₄ -MoS ₂ thin films deposited by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2014, 254, 327-332.	4.8	6
14	Tribological behavior of alumina obtained by low-pressure injection molding using factorial design. <i>Tribology International</i> , 2017, 114, 208-220.	5.9	5
15	Effect of tungsten carbide addition on the tribological behavior of Astaloy 85Mo powder consolidated via spark plasma sintering. <i>Tribology International</i> , 2018, 127, 313-323.	5.9	5
16	Effect of hafnium addition on structure, wear resistance and high temperature oxidation of MOSx thin films. <i>Surface and Coatings Technology</i> , 2021, 415, 127097.	4.8	5
17	Using the ultrasound and instrumented indentation techniques to measure the elastic modulus of engineering materials. <i>Revista De Metalurgia</i> , 2008, 44, .	0.5	5
18	Analysis of the effects of conical indentation variables on the indentation response of elastic-plastic materials through factorial design of experiment. <i>Journal of Materials Research</i> , 2009, 24, 1222-1234.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Mechanical and tribological properties of spark plasma sintered Nb-Al ₂ O ₃ composites. <i>Ceramics International</i> , 2021, 47, 6800-6812.	4.8	3
20	Nanoscale friction of partially oxidized silicon nitride thin films. <i>Surface and Coatings Technology</i> , 2011, 205, 4528-4531.	4.8	2
21	Self-assembly of polyhedral oligomeric silsesquioxane structures through ion exchange. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 243, 38-46.	3.5	2
22	Dynamic signal analyses in dry sliding wear tests. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2003, 25, .	1.6	1
23	AvaliaÃ§Ã£o de mÃ©todos para estimativas de propriedades mecÃ¢nicas de materiais por indentaÃ§Ã£o instrumentada: uma revisÃ£o. <i>Revista Materia</i> , 2021, 26, .	0.2	0
24	Bioactivity of Ti6Al4V alloy with bioglass and corrosion protection by silane coating. <i>Research, Society and Development</i> , 2021, 10, e23310615308.	0.1	0
25	Tribological evaluation of duplex treatment of plasma nitriding/ oxidation applied to injection mold extraction system. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2020, 17, .	0.2	0
26	Recycling carbon-steel waste from blast cleaning by powder metallurgy employing the augmented simplex lattice design. <i>Research, Society and Development</i> , 2022, 11, e16211527980.	0.1	0