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List of Publications by Year
in descending order

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28 papers	312 citations	840776 11 h-index	888059 17 g-index
28 all docs	28 docs citations	28 times ranked	323 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	Study of boriding surface treatment in the tribological behavior of an AISI 316L stainless steel. Wear, 2021, 477, 203825.	3.1	21
3	Tribological and microstructural characterization of laser microtextured CoCr alloy tested against UHMWPE for biomedical applications. Wear, 2021, 477, 203819.	3.1	10
4	Wear resistance of graphenic-nickel composite coating on austenitic stainless steel. Materials Letters, 2020, 281, 128769.	2.6	20
5	Characterization of a duplex coating (boridingÂ+Âsputter-deposited AlCrON) synthesized on an ASTM F-75 cobalt alloy. Thin Solid Films, 2020, 712, 138318.	1.8	6
6	Fuzzy modeling of refractory cement viscosity to improve thermocouples manufacturing process. Soft Computing, 2020, 24, 17035-17050.	3.6	2
7	Tribological behavior of borided surface on CoCrMo cast alloy. Wear, 2019, 426-427, 204-211.	3.1	38
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	Growth of a graphenic-Co composite coating on type-304 stainless steel. Vacuum, 2019, 163, 324-327.	3.5	4
11	Thermomechanical and Metallurgical Study of Laser-Welded AISI 1018 Steel. Journal of Materials Engineering and Performance, 2019, 28, 7281-7289.	2.5	3
12	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
13	Regression models to predict the behavior of the coefficient of friction of AISI 316L on UHMWPE under ISO 14243-3 conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 82, 248-256.	3.1	14
14	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
15	Characterisation of PTA processed overlays without and with WC nanoparticles. Surface Engineering, 2017, 33, 857-865.	2.2	11
16	Biotribological study of multi-nano-layers as a coating for total hip prostheses. Wear, 2017, 376-377, 243-250.	3.1	3
17	Forming process using austempered ductile iron (ADI) in an automotive Pitman arm. International Journal of Advanced Manufacturing Technology, 2017, 91, 569-575.	3.0	8
18	Tribological study of a thin TiO2 nanolayer coating on 316L steel. Wear, 2017, 376-377, 1702-1706.	3.1	7

#	Article	IF	Citations
19	Cobalt-based PTA coatings, effects of addition of TiC nanoparticles. Vacuum, 2017, 143, 14-22.	3.5	17
20	Electrothermal energy distribution model for EDM drilling of HSLA steels. International Journal of Advanced Manufacturing Technology, 2017, 93, 3551-3565.	3.0	1
21	The coefficient of friction of UHMWPE along an entire walking cycle using a ball-on-disc tribometer under arthrokinematics and loading conditions prescribed by ISO 14243-3:2014. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 274-280.	3.1	13
22	Effect of Laser Welding on the Mechanical Properties AISI 1018 Steel. MRS Advances, 2017, 2, 4031-4039.	0.9	3
23	Effects of tic Nanostructured Overlays on D2 Steels by PTA. MRS Advances, 2017, 2, 4041-4047.	0.9	1
24	A novel total hip resurfacing design with improved range of motion and edge-load contact stress. Materials & Design, 2014, 55, 690-698.	5.1	2
25	Failure analysis of Coâ€“Cr hip resurfacing prosthesis during solidification. Case Studies in Engineering Failure Analysis, 2013, 1, 1-5.	1.2	11
26	Biotribological study of multilayer coated metal-on-metal hip prostheses in a hip joint simulator. Wear, 2013, 301, 234-242.	3.1	26
27	Biotribological response of Coî—¸Cr alloy with added boron under ball-on-disc tests. Wear, 2013, 301, 243-249.	3.1	21
28	A study of the wear performance in a hip simulator of a metalâ€“metal Coâ€“Cr alloy with different boron additions. Wear, 2013, 301, 175-181.	3.1	29