Halim KovacÄ±

List of Publications by Year in descending order

29 papers	686 citations	430874 18 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	632 citing authors

#	Article	IF	Citations
1	Designing and in vitro testing of a novel patient-specific total knee prosthesis using the probabilistic approach. Biomedizinische Technik, 2022, 67, 295-305.	0.8	1
2	Synthesis and characterization of wear and corrosion resistant Ni-doped Al2O3 nanocomposite ceramic coatings by sol-gel method. Surface and Coatings Technology, 2022, 444, 128659.	4.8	22
3	Corrosion and tribocorrosion properties of duplex surface treatments consisting of plasma nitriding and DLC coating. Tribology International, 2021, 156, 106823.	5.9	27
4	The effects of boriding on metal-ceramic bond strength of Coâ€“Cr alloy fabricated by selective laser melting. Journal of Adhesion Science and Technology, 2021, 35, 1576-1591.	2.6	2
5	Influences of Ti, Al and V metal doping on the structural, mechanical and tribological properties of DLC films. Diamond and Related Materials, 2021, 120, 108639.	3.9	46
6	Improved tribological performance of AISI 316L stainless steel by a combined surface treatment: Surface texturing by selective laser melting and plasma nitriding. Surface and Coatings Technology, 2020, 400, 126178.	4.8	34
7	Improving structural, tribological and electrochemical properties of Ti6Al4V alloy with B-doped TiO2 thin films. Tribology International, 2020, 146, 106210.	5.9	28
8	Biomechanical analysis of spinal implants with different rod diameters under static and fatigue loads: an experimental study. Biomedizinische Technik, 2019, 64, 339-346.	0.8	3
9	Comparison of the microstructural, mechanical and wear properties of plasma oxidized Cp-Ti prepared by laser powder bed fusion additive manufacturing and forging processes. Surface and Coatings Technology, 2019, 374, 987-996.	4.8	24
10	Effect of boronizing on the structural, mechanical and tribological properties of CoCrW dental alloy produced by selective laser melting. Industrial Lubrication and Tribology, 2019, 71, 348-356.	1.3	7
11	The effect of surface plastic deformation produced by shot peening on corrosion behavior of a low-alloy steel. Surface and Coatings Technology, 2019, 360, 78-86.	4.8	82
12	Effects of shot peening pre-treatment and plasma nitriding parameters on the structural, mechanical and tribological properties of AISI 4140 low-alloy steel. Surface and Coatings Technology, 2019, 358, 256-265.	4.8	55
13	Investigation of the usage possibility of CuO and CuS thin films produced by successive ionic layer adsorption and reaction (SILAR) as solid lubricant. Surface and Coatings Technology, 2018, 344, 522-527.	4.8	15
14	Tribological behavior of DLC films and duplex ceramic coatings under different sliding conditions. Ceramics International, 2018, 44, 7151-7158.	4.8	43
15	Structural, mechanical and tribological properties of Ti and TiN coatings on 316L stainless steel. Ceramics International, 2018, 44, 14195-14201.	4.8	30
16	The friction and wear performance of DLC coatings deposited on plasma nitrided AISI 4140 steel by magnetron sputtering under air and vacuum conditions. Surface and Coatings Technology, 2018, 349, 969-979.	4.8	47
17	Tribological and electrochemical properties of TiO2 films produced on Cp-Ti by sol-gel and SILAR in bio-simulated environment. Surface and Coatings Technology, 2018, 352, 513-521.	4.8	25
18	Influence of plasma nitriding treatment on the adhesion of DLC films deposited on AISI 4140 steel by PVD magnetron sputtering. Journal of Adhesion Science and Technology, 2017, 31, 2015-2027.	2.6	22

#	ARTICLE	IF	CITATIONS
19	Dry Sliding Wear Characteristics of Plasma-Nitrocarburized Co â€“ Cr â€“ Mo Alloy. Metal Science and Heat Treatment, 2017, 58, 742-747.	0.6	4
20	A NOVEL METHOD FOR IMPROVING PLASMA NITRIDING EFFICIENCY: PRE-MAGNETIZATION BY DC MAGNETIC FIELD. Surface Review and Letters, 2017, 24, 1750005.	1.1	3
21	Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 2-Variable amplitude loading and load interactions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 265-275.	5.6	16
22	Effect of Plasma Nitriding Parameters on the Wear Resistance of Alloy Inconel 718. Metal Science and Heat Treatment, 2016, 58, 470-474.	0.6	20
23	Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 1-constant amplitude loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 257-264.	5.6	22
24	Fatigue crack growth behavior of DLC coated AISI 4140 steel under constant and variable amplitude loading conditions. Surface and Coatings Technology, 2016, 304, 316-324.	4.8	15
25	Numerical investigation of mechanical effects caused by various fixation positions on a new radius intramedullary nail. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 316-324.	1.6	9
26	Treatment with Î±-lipoic acid enhances the bone healing after femoral fracture model of rats. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 1025-1036.	3.0	18
27	New interlocking intramedullary radius and ulna nails for treating forearm diaphyseal fractures in adults: A retrospective study. Injury, 2014, 45, S16-S23.	1.7	28
28	The effect of magnetic field on the wear properties of a ferromagnetic steel. Wear, 2013, 301, 636-640.	3.1	38
29	Theoretical Investigation Of Plate Fixation And Intramedullary Nailing Methods On Radius Fractures. Sakarya University Journal of Science, 2012, 16, 330-336.	0.7	0