

CITATION REPORT

List of articles citing

Status of nickel free stainless steel in biomedical field:
A review of last 10 years and what else can be done

DOI: 10.1016/j.matpr.2019.12.205

Materials Today: Proceedings, 2020, 26, 638-643.

Source: <https://exaly.com/paper-pdf/77384605/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
27	Relation between mechanical and tribological properties of plasma nitrided and TiCrN coated YXR-7 tool steel. 2021 ,		2
26	DLC/CrN or AlCrN/CrN composite films: The better candidate in terms of anti-Wear performance and lesser ion release in hip implant. <i>Materials Today: Proceedings</i> , 2021 , 44, 1214-1220	1.4	6
25	Structural and corrosion study of a-C film with Ti, Cr and Ni interlayers. 2021 ,		2
24	Evaluation of Crack resistance and Adhesive Energy of AlCrN and Ag doped a-C Films deposited on Chrome Nitrided 316 LVM Stainless Steel. <i>Advances in Materials and Processing Technologies</i> , 1-22	0.8	3
23	Effect of annealing on structural, mechanical and tribological properties of Cr-(CrN/TiAlN) coating. <i>Advances in Materials and Processing Technologies</i> , 1-14	0.8	4
22	Evaluation of Gamma irradiated Ti6Al4V and Silver alloyed a-C coatings as friction pair via Response Surface Methodology. <i>Advances in Materials and Processing Technologies</i> , 1-18	0.8	3
21	Spectroscopic Investigations of 316L Stainless Steel under Simulated Inflammatory Conditions for Implant Applications: The Effect of Tryptophan as Corrosion Inhibitor/Hydrophobicity Marker. <i>Coatings</i> , 2021 , 11, 1097	2.9	1
20	Machine Learning-Driven Biomaterials Evolution. <i>Advanced Materials</i> , 2021 , e2102703	24	13
19	Wear assessment of Cr2O3-/TiAlN-coated DAC-10 tool steel against steel and Al2O3 counterbodies. <i>International Journal of Applied Ceramic Technology</i> ,	2	3
18	Nickel release and the microstructure of stainless steel orthodontic archwire surfaces after immersion in detergent and non-detergent toothpaste: an in vitro study. <i>Dental Journal: Majalah Kedokteran Gigi</i> , 2020 , 53, 67	0.2	
17	Surface Modification of a Nickel-Free Austenitic Stainless Steel by Low-Temperature Nitriding. <i>Metals</i> , 2021 , 11, 1845	2.3	2
16	Laser welding-brazing of NiTi/304 stainless steel wires with beam defocus and large offset. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 835, 142660	5.3	1
15	Preliminary Studies for One-Step Fabrication of Metallic Iron-Based Coatings on Magnesium as Temporary Protection in Biodegradable Medical Application. <i>Frontiers in Materials</i> , 2021 , 8,	4	1
14	Morphology and Wear Behavior of Monolayer TiAlN and Composite AlCrN/TiAlN-Coated Plasma-Nitrided DAC-10 Tool Steel. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	2
13	Wear and Electrochemical Behavior of High-Nitrogen, Nickel-Free Austenitic Stainless Steel Produced by Hot Powder Forging. <i>Journal of Materials Engineering and Performance</i> , 1	1.6	
12	Additively manufactured metallic biomaterials.. <i>Bioactive Materials</i> , 2022 , 15, 214-249	16.7	16
11	Microstructure and Mechanical Properties of Modified 316L Stainless Steel Alloy for Biomedical Applications Using Powder Metallurgy.. <i>Materials</i> , 2022 , 15,	3.5	1

10	Enhancement of microstructure and mechanical performance of spray formed Al-6Si-18Pb alloy by warm rolling. <i>Advances in Materials and Processing Technologies</i> , 1-15	0.8	
9	Green extraction of nickel and valuable metals from pyrrhotite samples with different crystallographic structures through acidophilic bioleaching. <i>Journal of Environmental Management</i> , 2022 , 317, 115394	7.9	○
8	Development and Characterization of Zein/Ag-Sr Doped Mesoporous Bioactive Glass Nanoparticles Coatings for Biomedical Applications. 2022 , 9, 367		○
7	Recent advances in bio-medical implants; mechanical properties, surface modifications and applications.		○
6	Parametric Optimization of Tribological Process Parameters and Their Comparative Effect on Wear Responses of TiCrN Coated Cold Work Tool Steel. 2023 , 93-103		○
5	Effect of Surface Modification on the Nanomechanical and Wear Properties of AISI D3 Cold Work Tool Steel. 2023 , 105-113		○
4	High nitrogen nickel-free stainless steel: an attractive material with potential for biomedical application.		1
3	Secondary Hardening of a High-N Ni-Free Stainless Steel. 2022 , 15, 7505		○
2	BoxBehnken based investigation of surface quality and tool wear rate and FEM analysis of tool wear in TiAlN/CrN coated carbide tool.		1
1	Carbon-fibre-reinforced-PEEK and silicon doped amorphous carbon as a potential tribopair for implant application. 1-19		○