Izabela Kalemba-Rec

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2737655/publications.pdf

Version: 2024-02-01

24	492	759233 12	677142 22
papers	citations	h-index	g-index

24	24	24	587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Properties of ash generated during sewage sludge combustion: A multifaceted analysis. Energy, 2016, 113, 85-94.	8.8	76
2	Upgrading of green waste into carbon-rich solid biofuel by hydrothermal carbonization: The effect of process parameters on hydrochar derived from acacia. Energy, 2020, 202, 117717.	8.8	62
3	Effect of process parameters on mechanical properties of friction stir welded dissimilar 7075-T651 and 5083-H111 aluminum alloys. International Journal of Advanced Manufacturing Technology, 2018, 97, 2767-2779.	3.0	46
4	The influence of potassium-rich biomass ashes on steel corrosion above 550â€Â°C. Energy Conversion and Management, 2019, 187, 15-28.	9.2	45
5	Biofunctionalization of Tiâ€“13Nbâ€“13Zr alloy surface by plasma electrolytic oxidation. Part I. Surface and Coatings Technology, 2015, 276, 59-69.	4.8	39
6	Pyrolysis of Biomass Wastes into Carbon Materials. Energies, 2022, 15, 1941.	3.1	35
7	The influence of high temperature annealing and creep on the microstructure and chemical element distribution in the Î³, Î³â€² and TCP phases in single crystal Ni-base superalloy. Journal of Alloys and Compounds, 2018, 731, 693-703.	5.5	31
8	Microstructure and Mechanical Properties of Friction Stir Welded 5083 and 7075 Aluminum Alloys. Journal of Materials Engineering and Performance, 2017, 26, 1032-1043.	2.5	23
9	Microstructural Changes in Inconel 625 Alloy Fabricated by Laser-Based Powder Bed Fusion Process and Subjected to High-Temperature Annealing. Journal of Materials Engineering and Performance, 2020, 29, 1528-1534.	2.5	18
10	Microstructure and mechanical properties of friction stir welded 7136â€“T76 aluminium alloy. Materials Science and Technology, 2011, 27, 903-908.	1.6	16
11	Microstructure, texture and mechanical characteristics of asymmetrically rolled polycrystalline copper. Materials Characterization, 2016, 118, 575-583.	4.4	16
12	Lactoferrin and collagen type I as components of composite formed on titanium alloys for bone replacement. Surface and Coatings Technology, 2017, 328, 1-12.	4.8	13
13	Influence of Alkali Treatment on Anodized Titanium Alloys in Wollastonite Suspension. Metals, 2017, 7, 322.	2.3	12
14	Quantitative Microstructural Characterization of Precipitates and Oxide Inclusions in Inconel 625 Superalloy Additively Manufactured by L-PBF Method. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 2459-2479.	2.2	12
15	Anodization of a Medical-Grade Ti-6Al-7Nb Alloy in a Ca(H2PO2)2-Hydroxyapatite Suspension. Materials, 2019, 12, 3002.	2.9	9
16	Analysis of the Calcium Phosphate-Based Hybrid Layer Formed on a Ti-6Al-7Nb Alloy to Enhance the Ossseointegration Process. Materials, 2020, 13, 5468.	2.9	8
17	Analytical Electron Microscopy Investigation of Topologically Close-Packed Phases in CMSX-4 Single Crystal Superalloy. Acta Physica Polonica A, 2016, 130, 1110-1113.	0.5	7
18	Characterization of the Î¼ and P phase precipitates in the CMSXâ€4 single crystal superalloy. Journal of Microscopy, 2017, 266, 239-248.	1.8	6

#	Article	IF	Citations
19	Microstructure and Properties of Electrodeposited nc-TiO2/Niâ€“Fe and Niâ€“Fe Coatings. Metals and Materials International, 2020, 26, 812-826.	3.4	6
20	Evaluation of Physical and Chemical Properties of Residue from Gasification of Biomass Wastes. Energies, 2022, 15, 3539.	3.1	6
21	Analytical Electron Microscopy Studies of the CMSX-4 Single Crystal Superalloy Subjected to High Temperature Annealing. Acta Physica Polonica A, 2017, 131, 1375-1379.	0.5	3
22	Niâ€“Cr Powders Modified with Rhenium as a Novel Coating Materialâ€”Physical Properties, Microstructure, and Behavior in Plasma Plume. Materials, 2022, 15, 3844.	2.9	2
23	A Newly Developed Easily Sinterable Low-Alloy Steel Powder. Materials, 2021, 14, 406.	2.9	1
24	Laser remelting of Ni-Cr-Re plasma spraying coating. , 2020, , .		0