

Izabela Kalemba-Rec

List of Publications by Year in descending order

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Version: 2024-02-01

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citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis of Biomass Wastes into Carbon Materials. <i>Energies</i> , 2022, 15, 1941.	3.1	35
2	Quantitative Microstructural Characterization of Precipitates and Oxide Inclusions in Inconel 625 Superalloy Additively Manufactured by L-PBF Method. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 2459-2479.	2.2	12
3	Evaluation of Physical and Chemical Properties of Residue from Gasification of Biomass Wastes. <i>Energies</i> , 2022, 15, 3539.	3.1	6
4	Ni-Cr Powders Modified with Rhenium as a Novel Coating Material—Physical Properties, Microstructure, and Behavior in Plasma Plume. <i>Materials</i> , 2022, 15, 3844.	2.9	2
5	A Newly Developed Easily Sinterable Low-Alloy Steel Powder. <i>Materials</i> , 2021, 14, 406.	2.9	1
6	Microstructure and Properties of Electrodeposited nc-TiO ₂ /Ni-Fe and Ni-Fe Coatings. <i>Metals and Materials International</i> , 2020, 26, 812-826.	3.4	6
7	Analysis of the Calcium Phosphate-Based Hybrid Layer Formed on a Ti-6Al-7Nb Alloy to Enhance the Osseointegration Process. <i>Materials</i> , 2020, 13, 5468.	2.9	8
8	Upgrading of green waste into carbon-rich solid biofuel by hydrothermal carbonization: The effect of process parameters on hydrochar derived from acacia. <i>Energy</i> , 2020, 202, 117717.	8.8	62
9	Microstructural Changes in Inconel 625 Alloy Fabricated by Laser-Based Powder Bed Fusion Process and Subjected to High-Temperature Annealing. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1528-1534.	2.5	18
10	Laser remelting of Ni-Cr-Re plasma spraying coating. , 2020, , .		0
11	Anodization of a Medical-Grade Ti-6Al-7Nb Alloy in a Ca(H ₂ PO ₄) ₂ -Hydroxyapatite Suspension. <i>Materials</i> , 2019, 12, 3002.	2.9	9
12	The influence of potassium-rich biomass ashes on steel corrosion above 550°C. <i>Energy Conversion and Management</i> , 2019, 187, 15-28.	9.2	45
13	The influence of high temperature annealing and creep on the microstructure and chemical element distribution in the β , β' and TCP phases in single crystal Ni-base superalloy. <i>Journal of Alloys and Compounds</i> , 2018, 731, 693-703.	5.5	31
14	Effect of process parameters on mechanical properties of friction stir welded dissimilar 7075-T651 and 5083-H111 aluminum alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 2767-2779.	3.0	46
15	Microstructure and Mechanical Properties of Friction Stir Welded 5083 and 7075 Aluminum Alloys. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1032-1043.	2.5	23
16	Characterization of the γ and P phase precipitates in the CMSX-4 single crystal superalloy. <i>Journal of Microscopy</i> , 2017, 266, 239-248.	1.8	6
17	Lactoferrin and collagen type I as components of composite formed on titanium alloys for bone replacement. <i>Surface and Coatings Technology</i> , 2017, 328, 1-12.	4.8	13
18	Influence of Alkali Treatment on Anodized Titanium Alloys in Wollastonite Suspension. <i>Metals</i> , 2017, 7, 322.	2.3	12

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19	Analytical Electron Microscopy Studies of the CMSX-4 Single Crystal Superalloy Subjected to High Temperature Annealing. <i>Acta Physica Polonica A</i> , 2017, 131, 1375-1379.	0.5	3
20	Microstructure, texture and mechanical characteristics of asymmetrically rolled polycrystalline copper. <i>Materials Characterization</i> , 2016, 118, 575-583.	4.4	16
21	Properties of ash generated during sewage sludge combustion: A multifaceted analysis. <i>Energy</i> , 2016, 113, 85-94.	8.8	76
22	Analytical Electron Microscopy Investigation of Topologically Close-Packed Phases in CMSX-4 Single Crystal Superalloy. <i>Acta Physica Polonica A</i> , 2016, 130, 1110-1113.	0.5	7
23	Biofunctionalization of Ti-13Nb-13Zr alloy surface by plasma electrolytic oxidation. Part I. <i>Surface and Coatings Technology</i> , 2015, 276, 59-69.	4.8	39
24	Microstructure and mechanical properties of friction stir welded 7136-T76 aluminium alloy. <i>Materials Science and Technology</i> , 2011, 27, 903-908.	1.6	16