

Damian Przystacki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5307398/publications.pdf>

Version: 2024-02-01

33
papers

730
citations

516215

16
h-index

552369

26
g-index

34
all docs

34
docs citations

34
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser surface alloying of commercially pure titanium with boron and carbon. Optics and Lasers in Engineering, 2014, 57, 64-81.	2.0	81
2	Formation of surface layer in metal matrix composite A359/20SiCP during laser assisted turning. Composites Part A: Applied Science and Manufacturing, 2016, 91, 370-379.	3.8	66
3	Conventional and Laser Assisted Machining of Composite A359/20SiCp. Procedia CIRP, 2014, 14, 229-233.	1.0	64
4	The study on minimum uncut chip thickness and cutting forces during laser-assisted turning of WC/NiCr clad layers. International Journal of Advanced Manufacturing Technology, 2017, 91, 3887-3898.	1.5	58
5	Nanomechanical properties of iron nitrides produced on 42CrMo4 steel by controlled gas nitriding and laser heat treatment. Journal of Alloys and Compounds, 2017, 706, 63-75.	2.8	39
6	Microstructure and selected properties of Monel 400 alloy after laser heat treatment and laser boriding using diode laser. International Journal of Advanced Manufacturing Technology, 2018, 98, 3005-3017.	1.5	34
7	Experimental research of surface roughness and surface texture after laser cladding. Applied Surface Science, 2016, 388, 420-423.	3.1	32
8	Surface roughness analysis after laser assisted machining of hard to cut materials. Journal of Physics: Conference Series, 2014, 483, 012019.	0.3	28
9	Gradient boride layers formed by diffusion carburizing and laser boriding. Optics and Lasers in Engineering, 2015, 67, 163-175.	2.0	28
10	The Evaluation of Surface Integrity During Machining of Inconel 718 with Various Laser Assistance Strategies. MATEC Web of Conferences, 2017, 136, 01006.	0.1	28
11	Influence of laser heat treatment on microstructure and properties of surface layer of Waspaloy aimed for laser-assisted machining. International Journal of Advanced Manufacturing Technology, 2017, 93, 3111-3123.	1.5	24
12	The effect of temperature distribution and cooling rate on microstructure and microhardness of laser re-melted and laser-borided carbon steels with various carbon concentrations. Surface and Coatings Technology, 2020, 387, 125541.	2.2	22
13	Microstructure characterisation of Inconel 718 after laser assisted turning. MATEC Web of Conferences, 2018, 188, 02004.	0.1	21
14	Effect of laser modification of Bâ€“Ni complex layer on wear resistance and microhardness. Optics and Laser Technology, 2015, 72, 116-124.	2.2	20
15	The analysis of surface topography during turning of Waspaloy with the application of response surface method. MATEC Web of Conferences, 2017, 136, 02006.	0.1	20
16	Microstructure, chemical composition, wear, and corrosion resistance of FeBâ€“Fe2Bâ€“Fe3B surface layers produced on Vanadis-6 steel using CO2 laser. International Journal of Advanced Manufacturing Technology, 2018, 95, 1763-1776.	1.5	18
17	Investigation of laser heat treated Monel 400. MATEC Web of Conferences, 2018, 219, 02005.	0.1	18
18	Decision Support System in the Field of Defects Assessment in the Metal Matrix Composites Castings. Materials, 2020, 13, 3552.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Determination of emissivity coefficient of heat-resistant super alloys and cemented carbide. Archives of Mechanical Technology and Materials, 2016, 36, 30-34.	0.3	16
20	Microstructure, Microhardness, Corrosion and Wear Resistance of B, Si and B-Si Coatings Produced on C45 Steel Using Laser Processing. Metals, 2020, 10, 792.	1.0	14
21	Laser Alloying Monel 400 with Amorphous Boron to Obtain Hard Coatings. Materials, 2019, 12, 3494.	1.3	13
22	Microstructure, Microhardness, Corrosion Resistance and Chemical Composition of Mo, B and Mo-B Coatings Produced Using Laser Processing. Materials, 2020, 13, 3249.	1.3	11
23	Influence of Microstructure and Chemical Composition on Microhardness and Wear Properties of Laser Borided Monel 400. Materials, 2020, 13, 5757.	1.3	10
24	The Effect of Laser Beam Processing on the Properties of WC-Co Coatings Deposited on Steel. Materials, 2021, 14, 538.	1.3	9
25	Laser Processing of Diffusion Boronized Layer Produced on Monel® Alloy 400” Microstructure, Microhardness, Corrosion and Wear Resistance Tests. Materials, 2021, 14, 7529.	1.3	9
26	Laser Surface Alloying of Austenitic 316L Steel with Boron and Some Metallic Elements: Microstructure. Materials, 2020, 13, 4852.	1.3	8
27	Microstructure, phase composition and corrosion resistance of Ni ₂ O ₃ coatings produced using laser alloying method. Archives of Mechanical Technology and Materials, 2016, 36, 23-29.	0.3	5
28	Microstructural and Mechanical Properties of B-Cr Coatings Formed on 145Cr6 Tool Steel by Laser Remelting of Diffusion Borochromized Layer Using Diode Laser. Coatings, 2021, 11, 608.	1.2	5
29	Influence of Manufacturing Parameters on Microstructure, Chemical Composition, Microhardness, Corrosion and Wear Resistance of ZrC Coatings Produced on Monel®400 Using Laser Processing Technology. Coatings, 2022, 12, 651.	1.2	5
30	Laser-Assisted Machining of Difficult to Cut Materials. , 2016, , .		2
31	The Effects of Laser Surface Modification on the Microstructure of 1.4550 Stainless Steel. MATEC Web of Conferences, 2018, 237, 02009.	0.1	2
32	Microstructure and selected properties of boronized layers produced on C45 and CT90 steels after modification by diode laser. Archives of Mechanical Technology and Materials, 2016, 36, 51-58.	0.3	1
33	Laser heat treatment of nickel-based alloys – a review. Archives of Mechanical Technology and Materials, 2019, 39, 46-53.	0.3	0