Janette BrezinovÃ¡

List of Publications by Year
in descending order

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75	637	687363	713466
papers	citations	13 h-index	21 g-index

76	76	76	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Steel Surface Defect Classification Using Deep Residual Neural Network. Metals, 2020, 10, 846.	2.3	60
2	Influence of Build Orientation, Heat Treatment, and Laser Power on the Hardness of Ti6Al4V Manufactured Using the DMLS Process. Metals, 2017, 7, 318.	2.3	40
3	Morphological Characteristics of Dimples of Ductile Fracture of VT23M Titanium Alloy and Identification of Dimples on Fractograms of Different Scale. Materials, 2019, 12, 2051.	2.9	33
4	A study of the effect of surface pre-treatment on the adhesion of coatings. Journal of Adhesion Science and Technology, 2014, 28, 1754-1771.	2.6	31
5	Direct Metal Laser Sintering of Ti6Al4V for Biomedical Applications: Microstructure, Corrosion Properties, and Mechanical Treatment of Implants. Metals, 2016, 6, 171.	2.3	29
6	Influence of Uneven Lighting on Quantitative Indicators of Surface Defects. Machines, 2022, 10, 194.	2.2	29
7	Research of U-Net-Based CNN Architectures for Metal Surface Defect Detection. Machines, 2022, 10, 327.	2.2	25
8	Effect of Long Term Operation on Degradation of Material of Main Gas Pipelines. Materials Science Forum, 0, 782, 279-283.	0.3	23
9	Fatigue and failure of steel of offshore gas pipeline after the laying operation. Archives of Civil and Mechanical Engineering, 2016, 16, 524-536.	3.8	21
10	Influence of the Hardfacing Welds Structure on Their Wear Resistance. Metals, 2016, 6, 36.	2.3	19
11	Properties of coatings created by HVOF technology using micro-and nano-sized powder. Koroze A Ochrana Materialu, 2019, 63, 86-93.	0.7	19
12	Study of Selected Properties of Thermally Sprayed Coatings Containing WC and WB Hard Particles. Acta Mechanica Et Automatica, 2016, 10, 296-299.	0.6	18
13	Microstructure, Wear Behavior and Corrosion Resistance of WC-FeCrAl and WC-WB-Co Coatings. Metals, 2018, 8, 399.	2.3	18
14	Friction Conditions during the Wear of Injection Mold Functional Parts in Contact with Polymer Composites. Journal of Reinforced Plastics and Composites, 2010, 29, 1712-1726.	3.1	16
15	General Regression Model for Predicting Surface Topography after Abrasive Blasting. Metals, 2018, 8, 938.	2.3	14
16	Modification of Mechanical Properties of High-Strength Titanium Alloys VT23 and VT23M Due to Impact-Oscillatory Loading. Metals, 2019, 9, 80.	2.3	14
17	Defectoscopic and Geometric Features of Defects That Occur in Sheet Metal and Their Description Based on Statistical Analysis. Metals, 2021, 11, 1851.	2.3	14
18	Mathematical Modeling of Unsteady Gas Transmission System Operating Conditions under Insufficient Loading. Energies, 2019, 12, 1325.	3.1	13

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19	Tribological properties of selected ceramic coatings. Journal of Adhesion Science and Technology, 2013, 27, 196-207.	2.6	12
20	Degradation of renovation layers deposited on continuous steel casting rollers by submerged arc welding. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1841-1848.	2.4	11
21	The Study of Parameters of Surface Roughness by the Correlation Analysis. Materials Science Forum, 0, 818, 15-18.	0.3	11
22	Structural and Mechanical Features of Laser-Welded Joints of Zinc-Coated Advanced Steel Sheets. Materials Science, 2019, 55, 46-51.	0.9	11
23	High Velocity Oxygen Liquid-Fuel (HVOLF) Spraying of WC-Based Coatings for Transport Industrial Applications. Metals, 2020, 10, 1675.	2.3	11
24	Selected Properties of Hardfacing Layers Created by PTA Technology. Metals, 2021, 11, 134.	2.3	11
25	Evaluation of the quality of cladding deposited on continuous steel casting rolls. International Journal of Materials Research, 2013, 104, 183-191.	0.3	9
26	Utilization of Fractal Analysis in Strength Prediction of Adhesively-Bonded Joints. Journal of Adhesion Science and Technology, 2008, 22, 1-13.	2.6	7
27	Analysis of the quality renovated continuous steel casting roller. Sadhana - Academy Proceedings in Engineering Sciences, 2013, 38, 477-490.	1.3	7
28	Failure analysis of the hinge-lever mould oscillator bearings of the continuous casting machine. Strength, Fracture and Complexity, 2014, 8, 135-143.	0.3	7
29	Possibilities for Renovation of Functional Surfaces of Backup Rolls Used during Steel Making. Metals, 2020, 10, 164.	2.3	7
30	ASSESSMENT TRIBOLOGICAL PROPERTIES OF COATINGS APPLIED BY HVOF TECHNOLOGY. Acta Mechanica Et Automatica, 2013, 7, 135-139.	0.6	6
31	Quality Evaluation of HVOF Coatings on the Basis of WC-Co in Tribocorrosive Conditions. Materials Science Forum, 0, 811, 63-66.	0.3	6
32	Study of Selected Properties of Coatings Devoted to Extreme Tribo-Corrosive Conditions. Materials Science Forum, 0, 818, 32-36.	0.3	6
33	Effect of Structure Self-Organization of Aluminum Alloy D16ChATW under Impact-Oscillatory Loading on Its Fatigue Life. Journal of Materials Engineering and Performance, 2021, 30, 6235-6242.	2.5	6
34	Improving of Mechanical Properties of Titanium Alloy VT23 due to Impact-Oscillatory Loading and the Use of Carbon Nano-Solution. Metals, 2019, 9, 652.	2.3	5
35	The Effect of Position of Materials on a Build Platform on the Hardness, Roughness, and Corrosion Resistance of Ti6Al4V Produced by DMLS Technology. Metals, 2019, 9, 1055.	2.3	5
36	STUDY OF WEAR PROCESSES OF WELD CLADS. Acta Metallurgica Slovaca, 2014, 20, 167-176.	0.7	5

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37	Influence of Impact-Oscillatory Loading on Fatigue Life of Aluminium Alloy 2024-T351. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2022, 46, 875-884.	1.3	4
38	Application of organosilanes in the preparation of metal surfaces for adhesive bonding. Journal of Adhesion Science and Technology, 2022, 36, 1153-1175.	2.6	4
39	THE CORROSION AND WEAR RESISTANCE OF LASER AND MAG WELD DEPOSITS. Acta Metallurgica Slovaca, 2020, 26, 37-41.	0.7	4
40	Impact of Cladding Technology on Residual Stresses within the Renovation of High Pressure Die Casting Molds. Metals, 2022, 12, 388.	2.3	4
41	Evaluation of Corrosion Resistance of Galvanized Steel Sheets Used in Automotive Production. Materials Science Forum, 2015, 818, 141-144.	0.3	3
42	Application of Cold Metal Transfer Welding for High Pressure Die Casting Mold Restoration. Metals, 2019, 9, 1232.	2.3	3
43	Properties Evaluation of the Welded Joints Made by Disk Laser. Materials, 2021, 14, 2002.	2.9	3
44	Innovation of Biomass Crusher by Application of Hardfacing Layers. Metals, 2021, 11, 1283.	2.3	3
45	Inhomogeneity of CoCrW powder products manufactured by SLM technology. Journal of Mechanical Science and Technology, 2021, 35, 4389-4404.	1.5	3
46	QUANTIFICATION OF CORROSION ACTIVITY ON HDG STEEL SHEETS DURING CYCLIC DIP TESTS IN CLASSICAL AND ECOLOGICAL SALT SOLUTIONS. Acta Metallurgica Slovaca, 2014, 20, .	0.7	3
47	DEFORMATION AND ENERGY PARAMETERS OF FRACTURE OF STEEL OF THE MAIN GAS PIPELINE. Advances in Science and Technology Research Journal, 2015, 9, 40-46.	0.8	3
48	PROGRESSIVE CMT CLADDING FOR RENOVATION OF CASTING MOLD. Acta Metallurgica Slovaca, 2020, 26, 104-110.	0.7	3
49	Investigation of Statically Deformed Aluminum Alloy Surface. Materials Science Forum, 2015, 818, 83-88.	0.3	2
50	Determination of selected properties and fracture toughness of HVOF coatings. Koroze A Ochrana Materialu, 2016, 60, 148-153.	0.7	2
51	Resistance of Cladding Layers Made by FCAW Method to Erosive Wear. Materials Science Forum, 2016, 862, 33-40.	0.3	2
52	MICROMECHANISMS OF FERRITE-PEARLITE STEELS FRACTURE UNDER CYCLIC AND IMPACT LOADING. Acta Metallurgica Slovaca, 2017, 23, 345-355.	0.7	2
53	Determination corrosion rate of welded joints realised by MAG technology. Koroze A Ochrana Materialu, 2017, 61, 19-24.	0.7	2
54	The Wear Evaluation of Blasting Machineâ€™s Blades. Key Engineering Materials, 2014, 635, 190-193.	0.4	1

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55	Corrosion Behaviour of Automotive Steel Sheets Depending on the Degree of Deformation. Key Engineering Materials, 0, 635, 57-60.	0.4	1
56	Evaluation of AlTiCrN Coatings Surface after Tribological Tests. Materials Science Forum, 2015, 818, 49-52.	0.3	1
57	Non-Destructive Surface Diagnostics of Tools. Materials Science Forum, 2015, 818, 41-44.	0.3	1
58	Degradation of Components in Cars Due to Bimetallic Corrosion. Materials, 2021, 14, 3323.	2.9	1
59	Characterization of selected properties of WCâ€“WBâ€“Co and WCâ€“FeCrAl coatings applied by HVOF technology. Koroze A Ochrana Materialu, 2019, 63, 167-173.	0.7	1
60	SELECTED ASPECTS OF CERAMIC COATINGS PREPARED BY THERMAL SPRAYING WITH WATER PLASMA ARC STABILIZATION. Acta Metallurgica Slovaca, 2013, 19, 43-50.	0.7	1
61	Effect of tribological conditions for properties thermal spraying. Production Engineering Archives, 2017, 14, 37-39.	2.4	1
62	Change in Mechanical Properties of Weld Claddings after Cyclic Thermal Loading. Key Engineering Materials, 2013, 586, 91-95.	0.4	0
63	Properties Evaluation of Renovation Coatings Created by Thermal Spraying Technology. Materials Science Forum, 2015, 818, 78-82.	0.3	0
64	Electrochemical Characteristics of Mechanically Treated Metallic Surfaces. Materials Science Forum, 0, 818, 145-148.	0.3	0
65	Parameters of Laser Welding and their Influence of Weld Seam. Materials Science Forum, 2015, 818, 260-263.	0.3	0
66	The evaluation of corrosion properties of coated materials by utilization of EIS. Koroze A Ochrana Materialu, 2016, 60, 35-40.	0.7	0
67	Modification of surface morphology of Ti6Al4V alloy manufactured by Laser Sintering. Open Engineering, 2016, 6, .	1.6	0
68	Evaluation of corrosion resistance of powder coatings after various surface chemical pre-treatment. Koroze A Ochrana Materialu, 2017, 61, 80-85.	0.7	0
69	Variation of Relief Topography and Hardness of Surface Layers of Materials Due to Impact-Oscillatory Loading. Materials, 2019, 12, 2720.	2.9	0
70	Assessment of the quality of ecological high-solid paints with low solvent content. , 2019, , .		0
71	Application of Laser Welding in Car Bodies Manufacturing. IOP Conference Series: Materials Science and Engineering, 2020, 731, 012005.	0.6	0
72	Renovation of Crystallizer Surface Using Electrodeposited Alloy Coating to Increase High-Temperature Abrasion Resistance. Metals, 2021, 11, 1629.	2.3	0

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73	The effect of strain amount on corrosion behavior of EDDQ steel sheet. Koroze A Ochrana Materialu, 2016, 60, 128-131.	0.7	0
74	Possibilities for Using New Types of Additive Materials for Hardfacing. Defect and Diffusion Forum, 0, 405, 171-178.	0.4	0
75	Surface Characterization after Blasting. , 0, , .		0