

# Il'yashchenko Dmitry

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

114  
citations

1684188  
5  
h-index

1588992  
8  
g-index

28  
all docs

28  
docs citations

28  
times ranked

32  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the stability of melting and electrode metal transfer in consumable electrode arc welding using power sources with different dynamic characteristics. <i>Welding International</i> , 2017, 31, 784-790.	0.7	19
2	Investigating the Influence of the Power Supply Type upon the Properties of the Weld Joints under Manual Arc Welding. <i>Advanced Materials Research</i> , 2014, 1040, 837-844.	0.3	14
3	Physical Nature of the Processes in Forming Structures, Phase and Chemical Compositions of Medium-Carbon Steel Welds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 91, 012006.	0.6	9
4	Determination of metal losses through splashing using different power sources. <i>Welding International</i> , 2011, 25, 69-72.	0.7	6
5	Investigating the Influence of the Power Supply Type upon the Weld Joints Properties and Health Characteristics of the Manual Arc Welding. <i>Materials Science Forum</i> , 0, 704-705, 608-611.	0.3	6
6	MAW Productivity Development and Reduction of its Harmful Effect on Human Organisms. <i>Applied Mechanics and Materials</i> , 2014, 682, 122-126.	0.2	6
7	Mechanical Properties of the Assembly Welded Joint of the Oil Transportation Tank After a Long-Term Service. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 127, 012049.	0.6	6
8	Nanosized Borides and Carbides for Electroplating. <i>Metal-Matrix Coatings: Specifications, Performance Evaluation. IOP Conference Series: Materials Science and Engineering</i> , 2016, 125, 012032.	0.6	6
9	Thermal imaging investigations of the temperature fields on the surface of a welded item during manual arc welding with coated electrodes. <i>Russian Journal of Nondestructive Testing</i> , 2011, 47, 724-729.	0.9	5
10	Increasing Strength and Operational Reliability of Fixed Joints of Tubes by MMA Welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 91, 012007.	0.6	5
11	Splashing in manual arc coated electrode welding and methods of reducing splashing. <i>Welding International</i> , 2008, 22, 874-877.	0.7	4
12	Chemical composition of welding aerosol in manual coated electrode arc welding. <i>Welding International</i> , 2011, 25, 719-721.	0.7	4
13	Improving Hygienic Characteristics of Coated Electrodes for Welding High-Alloy Steels. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 50, 012047.	0.3	4
14	Effect of Inverter Power Source Characteristics on Welding Stability and Heat Affected Zone Dimensions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 115, 012041.	0.3	4
15	Effect of ultra-disperse powder in electrode coating on properties of welds in MMA welding. <i>Engineering Solid Mechanics</i> , 2020, , 41-48.	1.2	4
16	Physical Nature of the Processes in Structure Forming, Phase and Chemical Composition of pipe Permanent Joints when MMA Welding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 125, 012010.	0.6	3
17	Effect Of Dynamic Characteristics of Power Supplies on Aerosol Composition While Welding With Coated Electrodes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 142, 012007.	0.6	3
18	Assessment of negative influence of manganese in welding fumes on welder's health and ways to reduce it. <i>FME Transactions</i> , 2020, 48, 75-81.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Study of the stability of electrode metal melting and transfer in the process of consumable electrode welding powered by supplies with differing dynamic characteristics. AIP Conference Proceedings, 2016, , .	0.4	1
20	Comparative Analysis of Hygiene and Sanitary Characteristics of Consumable Electrode Gas-Shielded Welding. Materials Science Forum, 0, 906, 137-141.	0.3	1
21	Influence of Welding Conditions and Different Current Sources on Formation of Welded Seam of Steel Austenitic Stainless Chromium-Nickel Steel. Metal Working and Material Science, 2018, 20, 35-45.	0.3	1
22	Additive Manufacturing of Metal Products via Filler Wire Arc Welding (Review). Materials Science Forum, 0, 1064, 189-199.	0.3	1
23	Influence of the inverter power supply of manual arc welding on sanitary-and-hygienic characteristics of a working zone. , 2012, , .		0
24	Use of Technogenic Silica Fume and Brown Coal Semi-Coke in the Technology of Silicon Carbide. IOP Conference Series: Materials Science and Engineering, 2016, 142, 012025.	0.6	0
25	Assessment of welding working properties of power supplies. IOP Conference Series: Materials Science and Engineering, 2019, 681, 012037.	0.6	0
26	On the issue of automatic form accuracy during processing on CNC machines. Revista Facultad De IngenierÁa, 0, , .	0.5	0
27	Research of Drop Formation during Electric Arc Surfacing with the Use of Mechanical Control Impacts on the Electrode. Materials Science Forum, 0, 1064, 201-210.	0.3	0