

# Ivan Nikolaevich Erdakov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8141178/publications.pdf>

Version: 2024-02-01

20  
papers

415  
citations

840776

11  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing Digital Observer of Angular Gaps in Rolling Stand Mechatronic System. <i>Machines</i> , 2022, 10, 141.	2.2	7
2	On the Direct Extrusion of Solder Wire from 52In-48Sn Alloy. <i>Machines</i> , 2021, 9, 93.	2.2	7
3	Effect of the Ti6Al4V Alloy Track Trajectories on Mechanical Properties in Direct Metal Deposition. <i>Machines</i> , 2020, 8, 79.	2.2	19
4	A Study of Characteristics of Aluminum Bronze Coatings Applied to Steel Using Additive Technologies. <i>Materials</i> , 2020, 13, 461.	2.9	13
5	Investigations of surface quality and energy consumption associated with costs and material removal rate during face milling of AISI 1045 steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3511-3525.	3.0	58
6	Optimization of cutting conditions using artificial neural networks and the Edgeworth-Pareto method for CNC face-milling operations on high-strength grade-H steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 2151-2165.	3.0	46
7	Effect of Feed Rate in FSW on the Mechanical and Microstructural Properties of AA5754 Joints. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-12.	1.8	36
8	A regression-tree multilayer-perceptron hybrid strategy for the prediction of ore crushing-plate lifetimes. <i>Journal of Advanced Research</i> , 2019, 18, 173-184.	9.5	26
9	Effect of tensile strain rate on high-temperature deformation and fracture of rolled Al-15 vol% B4C composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 749, 129-136.	5.6	21
10	Studies of highly filled composite based on two-component organic binder stress state in thermal stress. <i>Procedia Manufacturing</i> , 2018, 22, 325-330.	1.9	4
11	ANN Surface Roughness Optimization of AZ61 Magnesium Alloy Finish Turning: Minimum Machining Times at Prime Machining Costs. <i>Materials</i> , 2018, 11, 808.	2.9	55
12	Artificial Intelligence Monitoring of Hardening Methods and Cutting Conditions and Their Effects on Surface Roughness, Performance, and Finish Turning Costs of Solid-State Recycled Aluminum Alloy 6061. <i>Metals</i> , 2018, 8, 394.	2.3	45
13	Modeling and analysis of temperature distribution in the multilayer metal composite structures in grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 4055-4068.	3.0	13
14	Minimization of turning time for high-strength steel with a given surface roughness using the Edgeworth-Pareto optimization method. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 2375-2392.	3.0	41
15	A Mechanism of Interaction of Metal Oxides with Carbon. <i>Metallurgist</i> , 2016, 60, 664-668.	0.6	1
16	Measurement of Physical and Mechanical Properties of High-Speed Heated Casting Cores. <i>Applied Mechanics and Materials</i> , 2015, 729, 114-118.	0.2	0
17	Increase of wear resistance of steel plates for crushing stations. <i>Journal of Friction and Wear</i> , 2014, 35, 514-519.	0.5	9
18	Analysis of Pore Formation and Impeded Shrinkage of an Alloy in the System ProCast. <i>Metallurgist</i> , 2014, 58, 243-249.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Computerized Study of Intense Deformed State of Grinding Plate of High-Manganese Steel. Solid State Phenomena, 0, 284, 563-567.	0.3	2
20	Forecasting the Structure and the Hindered Contraction of Casts by Using the ProCAST System of Engineering Analysis. Materials Science Forum, 0, 946, 661-667.	0.3	0